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Research Topic

Ginger

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Overview of Terms Associated with Your Search Topic

280 Relevant Results for Diseases

Disease/Symptom	Cumulative Knowledge	Article Count
Osteoarthritis: Knee	112	13
Diabetes Mellitus: Type 2	111	22
Inflammation	78	35
Oxidative Stress	63	21
Chemotherapy-Induced Nausea	52	7

Dysmenorrhea	51	5
Nausea: Chemotherapy-Induced	50	4
Nausea: Post-Operative	50	4
Insulin Resistance	48	8
Dyspepsia	41	5
Obesity	40	13
Chronic Pain	31	3
Coronavirus Infection	31	11
Diabetes Mellitus: Type 2: Prevention	30	3
Breast Cancer	27	15
Colorectal Cancer	27	8
Diabetes Mellitus: Type 1	26	5
Hyperlipidemia	25	9
Rheumatoid Arthritis	24	5
Cancers: All	23	13
Muscle Soreness	21	3
Atherosclerosis	20	1
Diabetes: Glycation/A1C	20	2
High Cholesterol	20	2
Multiple Sclerosis: Relapsing-Remitting	20	2
Nausea	20	2
Nausea: Pregnancy-Associated	20	2
Periodontitis	20	2
Chemically-Induced Liver Damage	18	9
Metabolic Syndrome X	18	6
Colon Cancer	16	9
Chemotherapy-Induced Toxicity: Cisplatin	15	8
Cognitive Decline/Dysfunction	15	4
Diabetic Complications	15	9
Chemotherapy and Radiation Toxicity	13	4
Kidney Damage: Chemically-Induced	13	7
Lipopolysaccharide-Induced Toxicity	13	9
Allergic Rhinitis	12	2
Alzheimer's Disease	12	9
Brain Inflammation	12	7
Diabetes Mellitus: Type 1: Prevention	12	2
Helicobacter Pylori Infection	12	2

Hypercholesterolemia	12	2
Kidney Failure: Chronic	12	2
Alopecia	11	2
Menopausal Syndrome	11	2
Alcohol Toxicity	10	5
Anxiety	10	1
Anxiety: Preoperative	10	1
Bleeding: Excessive	10	1
Breast Milk: Inadequate/Poor Quality	10	1
C-Reactive Protein	10	1
Cachexia: Cancer	10	1
Cardiovascular Disease: Prevention	10	1
Cesarean Section	10	1
Chemotherapy-Induced Toxicity	10	1
Cholesterol: High	10	1
Chronic Fatigue Syndrome	10	1
Delayed Gastric Emptying	10	1
Diabetes: Oxidative Stress	10	5
Fatigue: Cancer-Associated	10	1
Gastrointestinal Complaints	10	1
Gastroparesis	10	1
Hemodialysis	10	1
Hyperglycemia	10	1
Menorrhagia	10	1
Morning Sickness	10	1
Motion Sickness	10	1
Muscle Damage	10	1
Muscle Soreness: Exercise-Induced	10	1
Myelodysplastic Syndrome	10	1
Nausea: Sea-Sickness	10	1
Neurogenic Bladder	10	1
Opioid Tolerance/Dependence	10	1
Overweight	10	1
Pneumonia	10	1
Postoperative Recovery	10	1
Prediabetes	10	1
Premenopausal Disorders	10	1

Quality of Life: Poor	10	1
Respiratory Distress Syndrome	10	1
Stroke: PostStroke Urinary Disorders	10	1
Traumatic Brain Injury	10	1
Triglycerides: Elevated	10	1
Tuberculosis	10	1
Uterine Bleeding	10	1
Vertigo	10	1
Weight Probems: Appetite	10	1
Xerostomia	10	1
Hypertension	9	5
Colitis	8	4
Myocardial Infarction	8	4
Neurodegenerative Diseases	8	6
Pancreatic Cancer	8	3
Escherichia coli Infections	7	6
Prostate Cancer	7	5
Sepsis	7	2
Brain Damage	6	3
Carcinoma: Non-Small-Cell Lung	6	2
Diabetes: Cardiovascular Illness	6	3
Diabetic Nephropathy	6	3
Influenza	6	3
Lipid Peroxidation	6	3
Liver Cancer: Prevention	6	3
Neuropathic Pain	6	3
Parabens-Associated Toxicity	6	4
Staphylococcus aureus infection	6	6
Arsenic Poisoning	5	3
Gastric Ulcer	5	4
Myocardial Ischemia	5	2
Radiation Induced Illness	5	3
Respiratory Syncytial Virus Infections	5	1
Arthritis: Rheumatoid	4	2
Cadmium Poisoning	4	2
Cancer Metastasis	4	4
Cancers: Drug Resistant	4	4

Cardiomyopathy	4	2
Chemotherapy-Induced Toxicity: Doxorubicin	4	2
DNA damage	4	3
Depression	4	2
Diabetes: Kidney Function	4	2
Endotoxemia	4	2
Fructose-Induced Toxicity	4	2
Gastric Cancer	4	3
Giardiasis	4	2
High Fat Diet	4	2
High Fructose Diet	4	2
Irritable Bowel Syndrome	4	2
Liver Cancer	4	4
Lung Cancer	4	3
Lung Injury: Acute	4	2
Memory Disorders	4	2
Multiple Sclerosis	4	3
Nonalcoholic fatty liver disease (NAFLD)	4	2
Parkinson's Disease	4	4
Pesticide Toxicity	4	2
Pseudomonas aeruginosa	4	4
Testicular Injury: Chemical/Metal Induced	4	2
Aging	3	3
Bisphenol Toxicity	3	2
Bronchopulmonary Dysplasia	3	1
Cardiovascular Diseases	3	3
Cerebral Ischemia	3	2
Diarrhea	3	2
Dog Diseases	3	2
Enterococcus Infections	3	3
Gastroesophageal Reflux	3	2
Inflammatory Bowel Diseases	3	2
Pets: Heartworm	3	2
ALT: Elevated	2	1
AST: Elevated	2	1
Abdominal Adhesions	2	1
Acetaminophen (Tylenol) Toxicity	2	1

Acid Reflux	2	1
Alcoholic Liver Disease	2	1
Allergic Rhinitis: Prevention	2	1
Aluminum Toxicity	2	1
Antibiotic Toxicity	2	1
Bacterial Infections: Resistance/Biofilm Formation	2	2
Brain: Microglial Activation	2	1
Bromobenzene Toxicity	2	1
Cardiac Hypertrophy	2	1
Cervical Cancer	2	2
Chemical Exposure	2	1
Chemotherapy-Induced Toxicity: Cyclophosphamide	2	1
Chemotherapy-Induced Toxicity: Oxaliplatin	2	1
Cholesterol: LDL/HDL ratio	2	1
Colon Surgery	2	1
Cryptosporidiosis	2	1
Cytomegalovirus Infections	2	1
Dementia	2	2
Diabetes: Cognitive Dysfunction	2	1
Diabetic Glomerular Hypertrophy	2	1
Diabetic Neuropathy	2	1
Dysbiosis	2	1
Dyslipidemias	2	1
Encephalomyelitis	2	1
Endocrine Imbalances	2	1
Esophageal Cancer	2	1
Excitotoxicity	2	1
Fat Malabsorption	2	1
Fibrosis	2	1
Fluoride Toxicity	2	1
Glyphosate Toxicity	2	1
Gout	2	1
HIV Infections	2	1
HSV-1	2	1
Hepatic Steatosis	2	1
Hyperinsulinism	2	1
Hyperuricemia	2	1

Indigestion: Fats	2	1
Infertility: Female	2	1
Kidney Damage	2	1
Kidney Failure	2	1
Kidney Failure: Acute	2	1
Lead Poisoning	2	1
Leptin: Elevated Levels	2	1
Liver Damage	2	1
Liver Damage: Aflatoxin-Induced	2	1
Liver Fibrosis	2	1
Liver Steatosis	2	1
Liver Stress: Fructose-Induced	2	1
Malabsorption Syndrome	2	1
Mercury Poisoning	2	1
Microvilli atrophy	2	1
Morphine Tolerance/Dependence	2	1
Myocardial Fibrosis	2	1
Necrotising enterocolitis	2	1
Osteoarthritis	2	1
Pain	2	1
Pyelonephritis	2	1
Rhinovirus Infection	2	2
Schistosomiasis	2	1
Steatorrhea	2	1
Trigeminal Neuralgia	2	1
Trypanosomiasis	2	1
Ulcerative Colitis	2	1
Upper Respiratory Infections	2	2
Uremia	2	1
Weight Gain: Drug-Induced	2	1
Acute lymphoblastic leukemia (ALL)	1	1
Adenoviridae Infections	1	1
Advanced Glycation End products (AGE)	1	1
Advanced Glycation Endproduct (AGE) Formation	1	1
Allergic Airway Diseases	1	1
Allergies	1	1
Arthritis	1	1

Asthma	1	1
Avian Influenza	1	1
Bacillus Cereus infection	1	1
Bladder Cancer	1	1
Bone Diseases	1	1
Breast Cancer: Chemically-Induced	1	1
Breast Cancer: Triple Negative	1	1
Candida Glabrata	1	1
Candida Infection	1	1
Candidiasis: Vulvovaginal	1	1
Central Nervous System Diseases	1	1
Cholesterol: Oxidation	1	1
Chronic Disease	1	1
Colic	1	1
Coronavirus Disease	1	1
Echinococcosis	1	1
Endometriosis	1	1
Epstein-Barr Virus Infections	1	1
Fatty Liver	1	1
Foodborne Pathogens: Prevention/Food Preservation	1	1
Gastrointestinal Cancer	1	1
Gastrointestinal Inflammation	1	1
Glioblastoma	1	1
Haemophilus influenzae	1	1
Hair Loss	1	1
Hydatidosis	1	1
Hypersensitivity: Respiratory	1	1
Hypoglycemia	1	1
Infection: Antibiotic Resistant	1	1
Listeria Infections	1	1
Liver Disease: Oxidative Stress	1	1
Lymphoma: Dalton's	1	1
Malignant Melanoma	1	1
Melanoma	1	1
Micrococcus luteus infections	1	1
Mycobacterium Infections	1	1
Oral Cancer	1	1

Osteoporosis	1	1
Parasitic Intestinal Diseases	1	1
Polycystic Ovary Syndrome	1	1
Premenstrual syndrome	1	1
Prostatic Hyperplasia	1	1
Psoriasis	1	1
Rhabdomyosarcoma	1	1
Salmonella Infections	1	1
Skin Cancer: Squamous Cell	1	1
Squamous cell carcinoma	1	1
Streptococcus Infections	1	1
Streptococcus pyogenes	1	1
Thrombosis	1	1
Toxoplasma gondii Infection	1	1
Tumors	1	1
Ultraviolet Radiation Induced Damage	1	1

120 Relevant Results for Pharmacological Actions

Pharmacological Action Name	Cumulative Knowledge	Article Count
Anti-Inflammatory Agents	212	93
Antioxidants	172	72
Analgesics	150	18
Gastrointestinal Agents	74	15
Hypoglycemic Agents	71	18
Tumor Necrosis Factor (TNF) Alpha Inhibitor	66	33
Insulin Sensitizers	56	8
Hypolipidemic	48	17
Neuroprotective Agents	47	25
Hepatoprotective	45	23
NF-kappaB Inhibitor	43	21
Antiemetics	40	3
Interleukin-6 Downregulation	40	22
Antiviral Agents	39	12
Apoptotic	38	31
Chemotherapeutic	38	10
Renoprotective	30	15

Antiproliferative	29	24
Antineoplastic Agents	28	7
Anti-Bacterial Agents	26	16
Interleukin-1 beta downregulation	26	14
Cardioprotective	25	13
Immunomodulatory	22	11
Anti-Apoptotic	21	11
Aldose reductase inhibitor	20	2
Anticholesteremic Agents	20	2
Chemoprotective Agents	19	11
Chemopreventive	18	14
Malondialdehyde Down-regulation	17	4
Nitric Oxide Inhibitor	14	3
Postaglandin PGE2 downregulation	13	3
Anti-Allergic Agents	12	2
Gastroprotective	12	2
Osteoprotective	12	3
Radioprotective	12	8
Anti-Anxiety Agents	10	1
Anti-Cachexic Agents	10	1
Antioxidant Effects	10	1
Antiparasitic Agents	10	7
Galactogogue	10	1
Immunomodulatory: Th17 downregulation	10	1
Thermogenic	10	1
Vasopressin Inhibitor	10	1
Anti-metastatic	9	9
Cyclooxygenase 2 Inhibitors	9	5
Anticarcinogenic Agents	8	6
Bcl-2 protein down-regulation	7	5
Cytoprotective	7	2
Nrf2 activation	7	4
Acetylcholinesterase Inhibitor	6	4
Chemosensitizer	6	5
Glutathione Upregulation	6	3
Interleukin-10 downregulation	6	3
Superoxide Dismutase Up-regulation	6	3

Tumor Suppressor Protein p53 Upregulation	6	2
Wnt/β-catenin signaling pathway modulation	6	2
Antihypertensive Agents	5	3
Antimicrobial	5	4
Caspase-3 Activation	5	1
Cell cycle arrest	5	4
Immunostimulatory	5	3
Matrix metalloproteinase-9 (MMP-9) inhibitor	5	4
Neurogenesis	5	1
P21 Activation	5	1
Anti-Fibrotic	4	2
Antidepressive Agents	4	2
Antiprotozoal Agents	4	2
Heme oxygenase-1 up-regulation	4	2
Insulin-releasing	4	2
Malonaldehyde (MDA) Down-Regulation	4	2
Matrix metalloproteinase-2 (MMP-2) inhibitor	4	3
MicroRNA modulator	4	3
Spermatogenic	4	2
Transforming growth factor beta (TGF-β) inhibitor	4	2
Autophagy Up-regulation	3	2
Adenosine deaminase inhibitor	2	1
Angiogenesis Inhibitors	2	2
Anti-Angiogenic	2	1
Anti-Glycation Agents	2	2
Anti-Ulcer Agents	2	1
Antidiarrheals	2	1
Antifungal Agents	2	2
Antigiardial agents	2	1
Bax/Bcl2 Ratio: Decrease	2	1
Calcium Channel Blockers	2	1
Detoxifier	2	1
Enzyme Inhibitors	2	2
Enzyme Inhibitors: Pancreatic Lipase	2	1
Fertility Agents: Female	2	1
Heme oxygenase-1 inducer	2	1
Interleukin-2 Downregulation	2	1

Leptin Down-Regulation	2	1
Prophylactic Agents	2	1
Prostaglandin Antagonists	2	1
Proton Pump Inhibitor	2	1
Vascular Endothelial Growth Factor Inhibitors	2	1
Vasodilator Agents	2	1
5-Lipoxygenase Inhibitor	1	1
Alpha-glucosidase inhibitor	1	1
Anti-Platelet	1	1
Anti-thrombotic	1	1
Antispasmodic	1	1
Autophagy Inhibitors	1	1
Food Preservatives	1	1
Genoprotective	1	1
Histone deacetylase inhibitor	1	1
Interleukin-4 downregulation	1	1
Interleukin-5 downregulation	1	1
Interleukin-8 downregulation	1	1
Paraptosis	1	1
Phase II Detoxification Enzyme Inducer	1	1
Photoprotective	1	1
Quorum Sensing Inhibition	1	1
Regenerative	1	1
Scolicidal	1	1
Survivin Down-Regulation	1	1
TRAIL sensitizer	1	1
Telomerase Inhibitor	1	1
interleukin-13 down-regulation	1	1
β-secretase Inhibitor	1	1

163 Relevant Results for Substances

Substance Name	Cumulative Knowledge	Article Count
Turmeric	82	34
Polyphenols	66	38
Cinnamon	46	15
Frankincense	35	7

Gingerol	33	23
Black Pepper	31	9
6-Shogaol	29	16
Saffron	25	7
Cardamom	22	4
Guduchi	22	4
Echinacea	21	3
Garlic	21	17
Lavender	21	3
Peppermint	21	3
Artichoke	20	2
Vitamin B-6	20	2
Green Tea	15	4
Rosemary	15	5
Ashwagandha	14	5
Capsaicin	14	3
Honey	12	3
Aloe Vera	11	2
Amla Fruit	11	2
Chamomile	11	2
Culinary Herbs and Spices	11	2
Hemp Seed	11	2
Long Pepper	11	2
Orange	11	2
Ayurvedic Formulations	10	1
Beta-Caryophyllene	10	1
Datura stramonium	10	1
Gymnema Sylvestre	10	1
Perilla	10	1
Protein Supplement	10	1
Pterocarpus marsupium	10	1
Rhubarb	10	1
Rose	10	1
Spearmint	10	1
Tea	10	1
Curcumin	9	8
Zinc	9	5

Clove	8	6
Catechols	7	6
Licorice	7	6
Ginseng	5	4
Nigella sativa (aka Black Seed)	5	4
Onion	5	5
Thyme	5	3
Vitamin C	5	3
Peony	4	2
Piperine	4	2
Probiotics	4	3
Blueberry	3	2
Chili pepper	3	2
Chinese Skullcap	3	2
Fermented Foods and Beverages	3	2
Lemon	3	2
Lemon Balm	3	2
Nettle	3	2
Omega-3 Fatty Acids	3	2
Pinellia	3	2
Red Pepper	3	2
St. Johns Wort	3	3
Angelica	2	1
Anise	2	2
Arabic gum	2	1
Basil	2	2
Black Tea	2	1
Bupleurum	2	1
Celery	2	1
Chokeberry	2	1
Coriandor	2	2
Corn: Purple	2	1
Cumin	2	2
Curcuminoids	2	1
Fennel	2	2
Fruit Peel	2	1
Garlic: Aged	2	1

Ginkgo biloba	2	2
Grape	2	2
Hesperidin	2	2
Holy Basil	2	2
Japanese Herbal Formula: Sho-saiko-to	2	1
Jujube	2	1
Mangosteen	2	1
Medicinal Mushrooms	2	1
Mint	2	2
Moringa oleifera	2	2
Nutmeg	2	1
Olive Oil	2	1
Pumpkin Seeds	2	1
Quercetin	2	1
Sea buckthorn	2	1
Shiitake Mushroom	2	1
Terminalia	2	2
Turmeric: Volatile Oils	2	1
Valerian	2	2
Vitamin D	2	2
Vitamin E	2	1
Apple Polyphenols	1	1
Asparagus	1	1
Avocado	1	1
Bay leaf	1	1
Beans: All	1	1
Bergamot	1	1
Bitter Melon	1	1
Bitter Orange	1	1
Black Currant	1	1
Broccoli	1	1
Burdock	1	1
Cannabis	1	1
Capparis spinosa (caper)	1	1
Carotenoids	1	1
Carvacrol	1	1
Cat's Claw	1	1

Chaste Tree (Chasteberry)	1	1
Chondroitin Sulfate	1	1
Chrysin	1	1
Cilantro	1	1
Citrus naringin	1	1
Cranberry	1	1
Cruciferous Vegetables	1	1
EGCG (Epigallocatechin gallate)	1	1
Elderberry	1	1
Fenugreek	1	1
Fish Oil	1	1
Flavonoids	1	1
Flaxseed	1	1
Fruit: All	1	1
Garcinia kola	1	1
Ginseng (Korean)	1	1
Glucosamine	1	1
Gotu Kola	1	1
Grapefruit	1	1
Hibiscus sabdariffa	1	1
Honeysuckle	1	1
Indian Gooseberry	1	1
Juniper	1	1
Kava Kava	1	1
Lemongrass	1	1
Magnolia	1	1
Marjoram	1	1
Mustard Oil	1	1
Myrrh	1	1
Neem	1	1
Olive	1	1
Oregano	1	1
Plum	1	1
Pomegranate	1	1
Pumpkin	1	1
Red Clover	1	1
Reishi Mushroom	1	1

Resveratrol	1	1
Rice Bran	1	1
Salvia miltiorrhiza	1	1
Saw Palmetto	1	1
Selenium	1	1
Sophora Flavescens	1	1
Tea Tree	1	1
Tomato	1	1
Tongkat Ali	1	1
Wheat Germ	1	1
Zataria multiflora	1	1

48 Relevant Results for Keywords

Keyword Name	Cumulative Knowledge	Article Count
Plant Extracts	289	90
Natural Substances Versus Drugs	82	8
Essential Oils	67	17
Phytotherapy	65	13
Significant Treatment Outcome	54	7
Superiority of Natural Substances versus Drugs	46	7
Anti-Obesity Agents	21	7
Gene Expression Regulation	16	6
Natural Substance Synergy	14	11
Plant Oils	12	2
Risk Reduction	11	2
Ibuprofen Alternatives	10	1
Microbiota	10	1
Supplementation	10	1
Biotransformation	5	1
Fresh Versus Dried Potencies	5	1
Zerumbone	5	1
Dose Response	3	2
Natural Substance/Drug Synergy	3	3
Polysaccharides	3	2
Antineoplastic Agents	2	1
Chemical: Lindane	2	1
Chemotherapeutic Synergy: Doxorubicin	2	1

Drug Synergy	2	1
Food as Medicine	2	1
Gut-brain Axis	2	1
Insulinotrophic	2	1
Malathion Toxicity	2	1
Nutrient Absorption	2	1
Prevacid (Lansoprazole) Alternatives	2	1
Zinc Chloride	2	1
Antibiotic Resistance	1	1
Apoptosis Regulatory Proteins	1	1
Biofilm	1	1
Blood Brain Barrier	1	1
Chemothapeutic Synergy: Paclitaxel	1	1
Chemotherapeutic Synergy: Mitomycin C	1	1
Chemotherapeutic Synergy: Oxaliplatin	1	1
Chemotherapy Resistance	1	1
Cytokine Modulation	1	1
Cytokine Storm	1	1
Fruit Juice	1	1
Mesenchymal Stem Cells	1	1
Metabolites	1	1
Multi-Drug Resistant Pathogens	1	1
Muscle Regeneration	1	1
Paradols	1	1
Traditional Iranian Medicine	1	1

9 Relevant Results for Therapeutic Actions

Therapeutic Action Name	Cumulative Knowledge	Article Count
Aromatherapy	70	7
Massage/Therapeutic Touch	20	2
Moxibustion	20	2
Exercise	13	3
Acupuncture	10	1
Aromatherapy Massage	10	1
Integrative Medicine	10	1
Dietary Modification: Mediterranean Diet	1	1
Dietary Modification: Vegan Diet	1	1

22 Relevant Results for Problem Substances

Problem Substance Name	Cumulative Knowledge	Article Count
Insulin	22	3
Non-Steroidal Anti-Inflammatory Drugs (NSAIDs)	20	1
Hydroxychloroquine sulfate	10	1
Cadmium	8	4
Fructose	4	2
Isoproterenol	4	2
Monosodium Glutamate (MSG)	4	2
Aflatoxin	2	1
Antibiotics	2	1
Bisphenol A	2	1
Dichlorvos	2	1
Glyphosate	2	1
Lead	2	1
Lindane	2	1
Mercury	2	1
Morphine	2	1
Nanoparticles	2	1
Pesticides	2	1
Prescription Drugs	2	1
Sodium Fluoride	2	1
Zinc Oxide	2	1
Bisphenol S	1	1

1 Relevant Result for Problematic Actions

Problematic Action Name	Cumulative Knowledge	Article Count
Western Diet	2	1

View the Evidence.
444 Research Articles in Total.

Category : Diseases

ALT: Elevated (AC 1) (CK 2)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: 21689445

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : ALT: Elevated : CK(70) : AC(11), AST: Elevated : CK(46) : AC(6), Liver Fibrosis : CK(560) : AC(253)
Pharmacological Actions : Glutathione Upregulation : CK(299) : AC(96), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15), Renoprotective : CK(2404) : AC(1075), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)

AST: Elevated (AC 1) (CK 2)

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Abdominal Adhesions (AC 1) (CK 2)

These findings suggest that a hydro-alcoholic extract of ginger is a potentially novel therapeutic strategy for inhibiting adhesion formation.

Pubmed Data : Evid Based Complement Alternat Med. 2023 ;2023:4086631. Epub 2023 Feb 21. PMID: 36865747

Article Published Date : Dec 31, 2022

Authors : Roghayeh Yahyazadeh, Vafa Baradaran Rahimi, Seyed Ahmad Mohajeri, Milad Iranshahy, Ahmad Yahyazadeh, Maede Hasanpour, Mehrdad Iranshahi, Vahid Reza Askari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Abdominal Adhesions : CK(50) : AC(10), Colon Surgery : CK(31) : AC(8)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Glutathione Upregulation : CK(299) : AC(96), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-

regulation : CK(2065) : AC(678), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Acetaminophen (Tylenol) Toxicity (AC 1) (CK 2)

Ginger protects against acetaminophen-induced acute liver injury by enhancing liver antioxidant status.

Pubmed Data : Food Chem Toxicol. 2007 Nov;45(11):2267-72. Epub 2007 Jun 9. PMID: 17637489

Article Published Date : Nov 01, 2007

Authors : T A Ajith, U Hema, M S Aswathy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Acetaminophen (Tylenol) Toxicity : CK(654) : AC(246)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Acid Reflux (AC 1) (CK 2)

Ginger has a gastroprotective effect through its acid blocking and anti-Helico bacter pylori activity.

Pubmed Data : Evid Based Complement Alternat Med. 2009 Jul 1. PMID: 19570992

Article Published Date : Jul 01, 2009

Authors : Siddaraju M Nanjundaiah, Harish Nayaka Mysore Annaiah, Shylaja M Dharmesh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Acid Reflux : CK(389) : AC(52), Gastroesophageal Reflux : CK(389) : AC(52), Helicobacter Pylori Infection : CK(966) : AC(207)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Proton Pump Inhibitor : CK(38) : AC(14)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479), Prevacid (Lansoprazole) Alternatives : CK(6) : AC(3)

Acute lymphoblastic leukemia (ALL) (AC 1) (CK 1)

Ginger extract has anti-leukemia and anti-drug resistant effects on malignant cells.

Pubmed Data : J Cancer Res Clin Oncol. 2019 Aug ;145(8):1987-1998. Epub 2019 Jun 18. PMID: 31214760

Article Published Date : Jul 31, 2019

Authors : Somayeh Rahimi Babasheikhali, Soheila Rahgozar, Mahboubeh Mohammadi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Acute lymphoblastic leukemia (ALL) : CK(193) : AC(72), Cancers: Drug Resistant : CK(715) : AC(493)
Pharmacological Actions : Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Adenoviridae Infections (AC 1) (CK 1)

Can an anti-inflammatory diet be effective in preventing or treating viral respiratory diseases?

Pubmed Data : Clin Nutr ESPEN. 2021 06 ;43:9-15. Epub 2021 Apr 24. PMID: 34024569

Article Published Date : Dec 31, 2020

Authors : Farhad Vahid, Diana Rahmani

Study Type : Review
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Omega-3 Fatty Acids : CK(4672) : AC(633), Onion : CK(420) : AC(124), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Adenoviridae Infections : CK(14) : AC(14), Coronavirus Infection : CK(1230) : AC(410), Inflammation : CK(9572) : AC(3089), Influenza : CK(1407) : AC(288), Rhinovirus Infection : CK(83) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Advanced Glycation End products (AGE) (AC 1) (CK 1)

Bioactive compounds isolated from apple, tea, and ginger protect against dicarbonyl induced stress in cultured human retinal epithelial cells.

Pubmed Data : Phytomedicine. 2016 Feb 15 ;23(2):200-13. Epub 2016 Jan 5. PMID: 26926182

Article Published Date : Feb 14, 2016

Authors : Chethan Sampath, Yingdong Zhu, Shengmin Sang, Mohamed Ahmedna

Study Type : In Vitro Study
Additional Links
Substances : Apple Polyphenols : CK(175) : AC(62), EGCG (Epigallocatechin gallate) : CK(1091) : AC(605), Ginger : CK(1514) : AC(444)
Diseases : Advanced Glycation End products (AGE) : CK(440) : AC(176), Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Glycation Agents : CK(197) : AC(100), Antioxidants : CK(21528) : AC(8856), Nrf2 activation : CK(1584) : AC(916)

Advanced Glycation Endproduct (AGE) Formation (AC 1) (CK 1)

These findings showed the potential effects of 6S and 6G on the prevention of protein glycation.

Pubmed Data : Chem Res Toxicol. 2015 Aug 6. Epub 2015 Aug 6. PMID: 26247545

Article Published Date : Aug 05, 2015

Authors : Yingdong Zhu, Yantao Zhao, Pei Wang, Mohamed Ahmedna, Shengmin Sang

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Advanced Glycation Endproduct (AGE) Formation : CK(7) : AC(3), Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Glycation Agents : CK(197) : AC(100)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Aging (AC 3) (CK 3)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: 31531114

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Aging : CK(3728) : AC(933), Alzheimer's Disease : CK(3372) : AC(1307), Hypertension : CK(6384) : AC(950), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: 20211236

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Aging : CK(3728) : AC(933), Cancers: All : CK(28241) : AC(10590), Cardiovascular Diseases : CK(12780) : AC(1983), Dementia : CK(1689) : AC(279), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-

kappaB Inhibitor : CK(3536) : AC(2098)

Suppression of inflamm-aging by Moringa oleifera and Zingiber officinale in the prevention of degenerative diseases.

Pubmed Data : Molecules. 2023 Aug 3 ;28(15). Epub 2023 Aug 3. PMID: **37570837**

Article Published Date : Aug 02, 2023

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Moringa oleifera : CK(460) : AC(245)
Diseases : Aging : CK(3728) : AC(933), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Alcohol Toxicity (AC 5) (CK 10)

Ginger could protect alcohol-induced myocardial damage by suppression of hyperlipidemia and cardiac biomarkers.

Pubmed Data : Pharmacogn Mag. 2017 Jan ;13(Suppl 1):S69-S75. Epub 2017 Apr 7. PMID: **28479729**

Article Published Date : Dec 31, 2016

Authors : Ganjikunta Venkata Subbaiah, Korivi Mallikarjuna, Bhasha Shanmugam, Sahukari Ravi, Patan Usnan Taj, Kesireddy Sathyavelu Reddy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger extract improved antioxidant enzymes activity and reduced tHcy and MDA levels.

Pubmed Data : Iran J Med Sci. 2016 May ;41(3 Suppl):S71. PMID: **27840537**

Article Published Date : Apr 30, 2016

Authors : Abolfazl Akbari, Khadijeh Nasiri, Mojtaba Heydari, Seyed Hamdollah Mosavat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332)
Pharmacological Actions : Prophylactic Agents : CK(780) : AC(182)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: **27544404**

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Lipid Peroxidation : CK(1632) : AC(631)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: **28442378**

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Alcoholic Liver Disease : CK(389) : AC(168), DNA damage : CK(1997) : AC(713)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Bcl-2 protein down-regulation : CK(553) : AC(407), Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)

Zingerone has a protective effect on the ethanol-induced gastric ulcer.

Pubmed Data : Medicina (Kaunas). 2019 Mar 11 ;55(3). Epub 2019 Mar 11. PMID: **30862060**

Article Published Date : Mar 10, 2019

Authors : Neda Sistani Karampour, Ardeshir Arzi, Anahita Rezaie, Marzieh Pashmforoosh, Fatemeh Kordi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Gastric Ulcer : CK(470) : AC(212)
Pharmacological Actions : Anti-Ulcer Agents : CK(523) : AC(184), Antioxidants : CK(21528) : AC(8856), Gastrointestinal Agents : CK(3145) : AC(843)

Alcoholic Liver Disease (AC 1) (CK 2)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: **28442378**

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Alcoholic Liver Disease : CK(389) : AC(168), DNA damage : CK(1997) : AC(713)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Bcl-2 protein down-regulation : CK(553) : AC(407), Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)

Allergic Airway Diseases (AC 1) (CK 1)

An extract of Z. cassumunar and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: 25840633

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Allergic Airway Diseases : CK(80) : AC(32), Allergies : CK(1381) : AC(280), Hypersensitivity: Respiratory : CK(12) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Enzyme Inhibitors : CK(692) : AC(347), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Allergic Rhinitis (AC 2) (CK 12)

Ginger and constituent 6-gingerol could be used the prevention or alleviation of allergic rhinitis symptoms.

Pubmed Data : J Nutr Biochem. 2015 Sep 1. Epub 2015 Sep 1. PMID: 26403321

Article Published Date : Aug 31, 2015

Authors : Yoshiyuki Kawamoto, Yuki Ueno, Emiko Nakahashi, Momoko Obayashi, Kento Sugihara, Shanlou Qiao, Machiko Iida, Mayuko Y Kumasaka, Ichiro Yajima, Yuji Goto, Nobutaka Ohgami, Masashi Kato, Kozue Takeda

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Allergic Rhinitis : CK(781) : AC(126), Allergic Rhinitis: Prevention : CK(12) : AC(2)
Pharmacological Actions : Anti-Allergic Agents : CK(442) : AC(150), Immunomodulatory : CK(4048) : AC(1475)

The ginger extract is as good as loratadine in improving nasal symptoms and quality of life in allergic rhinitis patients.

Pubmed Data : BMC Complement Med Ther. 2020 Apr 20 ;20(1):119. Epub 2020 Apr 20. PMID: 32312261

Article Published Date : Apr 19, 2020

Authors : Rodsarin Yamprasert, Waipoj Chanvimalueng, Nichamon Mukkasombut, Arunporn Itharat

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Allergic Rhinitis : CK(781) : AC(126)
Pharmacological Actions : Anti-Allergic Agents : CK(442) : AC(150)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479), Plant Extracts : CK(14140) : AC(5210), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Allergic Rhinitis: Prevention (AC 1) (CK 2)

Ginger and constituent 6-gingerol could be used the prevention or alleviation of allergic rhinitis symptoms.

Pubmed Data : J Nutr Biochem. 2015 Sep 1. Epub 2015 Sep 1. PMID: 26403321

Article Published Date : Aug 31, 2015

Authors : Yoshiyuki Kawamoto, Yuki Ueno, Emiko Nakahashi, Momoko Obayashi, Kento Sugihara, Shanlou Qiao, Machiko Iida, Mayuko Y Kumasaka, Ichiro Yajima, Yuji Goto, Nobutaka Ohgami, Masashi Kato, Kozue Takeda

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Allergic Rhinitis : CK(781) : AC(126), Allergic Rhinitis: Prevention : CK(12) : AC(2)
Pharmacological Actions : Anti-Allergic Agents : CK(442) : AC(150), Immunomodulatory : CK(4048) : AC(1475)

Allergies (AC 1) (CK 1)

An extract of Z. cassumunar and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: 25840633

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Allergic Airway Diseases : CK(80) : AC(32), Allergies : CK(1381) : AC(280), Hypersensitivity: Respiratory : CK(12) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Enzyme Inhibitors : CK(692) : AC(347), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Alopecia (AC 2) (CK 11)

A review of herbal preparations for the treatment of hair loss.

Pubmed Data : Arch Dermatol Res. 2019 Nov 3. Epub 2019 Nov 3. PMID: 31680216

Article Published Date : Nov 02, 2019

Authors : Ana ZgoncŠkulj, Nina Poljšak, Nina Kočevar Glavač, Samo Kreft

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginseng : CK(2684) : AC(1192), Ginseng (Korean) : CK(493) : AC(158), Pumpkin : CK(219) : AC(58), Red Clover : CK(214) : AC(45), Saw Palmetto : CK(198) : AC(38)
Diseases : Alopecia : CK(318) : AC(76), Hair Loss : CK(293) : AC(69)

Ginger improves oxidative stress and trace elements status in patients with alopecia areata.

Pubmed Data : Niger J Clin Pract. 2020 Nov ;23(11):1555-1560. PMID: 33221781
Article Published Date : Oct 31, 2020
Authors : A N Abbas
Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alopecia : CK(318) : AC(76), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)

Aluminum Toxicity (AC 1) (CK 2)

Ginger protects against reproductive toxicity of aluminium chloride in rats.

Pubmed Data : Reprod Domest Anim. 2011 Jul 26. Epub 2011 Jul 26. PMID: 21790801
Article Published Date : Jul 26, 2011
Authors : Wa Moselhy, Na Helmy, Br Abdel-Halim, Tm Nabil, Mi Abdel-Hamid
Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Aluminum Toxicity : CK(553) : AC(233)

Alzheimer's Disease (AC 9) (CK 12)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: 25811848
Article Published Date : Mar 25, 2015
Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao
Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396), Nitric Oxide Inhibitor : CK(498) : AC(258)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

A combination of ginger and peony root may prevent memory impairment in AD by inhibiting Aβ accumulation and inflammation in the brain.

Pubmed Data : J Alzheimers Dis. 2015 Nov 30. Epub 2015 Nov 30. PMID: 26639976

Article Published Date : Nov 29, 2015

Authors : Soonmin Lim, Jin Gyu Choi, Minho Moon, Hyo Geun Kim, Wonil Lee, Hyoung-Rok Bak, Hachang Sung, Chi Hye Park, Sun Yeou Kim, Myung Sook Oh

Study Type : Transgenic Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Peony : CK(294) : AC(125)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Brain Inflammation : CK(1101) : AC(567)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

A combined plant extract WS-5 could be applied as a natural product therapy with a focus on neuroinflammation-related neurodegenerative disorders.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5160293. Epub 2019 Apr 1. PMID: **31057649**

Article Published Date : Dec 31, 2018

Authors : Ju Eun Kim, Abinash Chandra Shrestha, Hyo Shin Kim, Ha Neul Ham, Jun Hyeong Kim, Yeong Jee Kim, Yun Jeong Noh, Su Jin Kim, Dae Keun Kim, Hyung Kwon Jo, Dae Sung Kim, Kwang Hyun Moon, Jeong Ho Lee, Kyung Ok Jeong, Jae Yoon Leem

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Neuroprotective Agents : CK(10404) : AC(4396)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: **31531114**

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Aging : CK(3728) : AC(933), Alzheimer's Disease : CK(3372) : AC(1307), Hypertension : CK(6384) : AC(950), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396)

Blood-brain barrier permeability study of ginger constituents.

Pubmed Data : J Pharm Biomed Anal. 2019 Aug 19 ;177:112820. Epub 2019 Aug 19. PMID: **31476432**

Article Published Date : Aug 18, 2019

Authors : Alexandra Simon, András Darcsi, Ágnes Kéry, Eszter Riethmüller

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Blood Brain Barrier : CK(153) : AC(67)

Long-term consumption of aromatic compounds from spices could be effective in the prevention of Alzheimer's disease.

Pubmed Data : Nat Prod Commun. 2016 Apr ;11(4):507-10. PMID: **27396206**

Article Published Date : Mar 31, 2016

Authors : Shinichi Matsumura, Kazuya Murata, Yuri Yoshioka, Hideaki Matsuda

Study Type : In Vitro Study
Additional Links
Substances : Cardamom : CK(42) : AC(11), Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Long Pepper : CK(29) : AC(12), Turmeric : CK(7078) : AC(3169)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396), β-secretase Inhibitor : CK(1) : AC(1)

Nutritional implications of ginger: chemistry, biological activities and signaling pathways.

Pubmed Data : J Nutr Biochem. 2020 Aug 19 ;86:108486. Epub 2020 Aug 19. PMID: **32827666**

Article Published Date : Aug 18, 2020

Authors : Ryoiti Kiyama

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Endometriosis : CK(301) : AC(80), Menopausal Syndrome : CK(633) : AC(93), Osteoporosis : CK(2025) : AC(512), Polycystic Ovary Syndrome : CK(1093) : AC(163), Prostatic Hyperplasia : CK(22) : AC(3)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717), Neuroprotective Agents : CK(10404) : AC(4396), Osteoprotective : CK(971) : AC(351)

Possible role of common spices as a preventive and therapeutic agent for Alzheimer's disease.

Pubmed Data : Int J Prev Med. 2017 ;8:5. Epub 2017 Feb 7. PMID: **28250905**

Article Published Date : Dec 31, 2016

Authors : Omid Mirmosayyeb, Amirpouya Tanhaei, Hamid R Sohrabi, Ralph N Martins, Mana Tanhaei, Mohammad Amin Najafi, Ali Safaei, Rokhsareh Meamar

Study Type : Review
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Culinary Herbs and Spices : CK(11065) : AC(3218), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Dementia : CK(1689) : AC(279)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Zingiber officinale ameliorates Alzheimer's disease and Cognitive Impairments.

Pubmed Data : Biomed Pharmacother. 2021 Jan ;133:111088. Epub 2020 Dec 15. PMID: **33378982**

Article Published Date : Dec 31, 2020

Authors : Marjan Talebi, Selen İlgün, Vida Ebrahimi, Mohsen Talebi, Tahereh Farkhondeh, Hadi Ebrahimi, Saeed Samarghandian

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Cognitive Decline/Dysfunction : CK(3236) : AC(654)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Antibiotic Toxicity (AC 1) (CK 2)

Zingerone therapy significantly protected liver from endotoxin induced inflammatory damage

Pubmed Data : PLoS One. 2014 ;9(9):e106536. Epub 2014 Sep 3. PMID: 25184525

Article Published Date : Dec 31, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Antibiotic Toxicity : CK(316) : AC(82), Endotoxemia : CK(219) : AC(91), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Antibiotics : CK(703) : AC(132)

Anxiety (AC 1) (CK 10)

Hab-o Shefa, a Persian medicine compound for maintenance treatment of opioid dependence.

Pubmed Data : J Altern Complement Med. 2020 May ;26(5):376-383. Epub 2020 Feb 28. PMID: 32109133

Article Published Date : Apr 30, 2020

Authors : Abdolali Moosavyzadeh, Azarakhsh Mokri, Farzaneh Ghaffari, Soghrat Faghihzadeh, Hossein Azizi, Razieh Jafari Hajati, Mohsen Naseri

Study Type : Human Study
Additional Links
Substances : Datura stramonium : CK(1) : AC(1), Ginger : CK(1514) : AC(444), Rhubarb : CK(149) : AC(65)
Diseases : Anxiety : CK(3360) : AC(595), Opioid Tolerance/Dependence : CK(1) : AC(1)
Pharmacological Actions : Anti-Anxiety Agents : CK(2913) : AC(487)

Anxiety: Preoperative (AC 1) (CK 10)

Lavender and ginger oil reduce distress levels in children before undergoing anesthesia.

Pubmed Data : J Perianesth Nurs. 2009 Oct;24(5):307-12. PMID: 19853815

Article Published Date : Oct 01, 2009

Authors : DeeAnn Nord, John Belew

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Lavender : CK(454) : AC(66)
Diseases : Anxiety: Preoperative : CK(30) : AC(3)
Therapeutic Actions : Aromatherapy : CK(1092) : AC(119)

Arsenic Poisoning (AC 3) (CK 5)

"6]-Gingerol isolated from ginger attenuates sodium arsenite induced oxidative stress and plays a corrective role in improving insulin signaling in mice."

Pubmed Data : Toxicol Lett. 2012 Jan 10 ;210(1):34-43. Epub 2012 Jan 10. PMID: 22285432

Article Published Date : Jan 10, 2012

Authors : Debrup Chakraborty, Avinaba Mukherjee, Sourav Sikdar, Avijit Paul, Samrat Ghosh, Anisur Rahman Khuda-Bukhsh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Arsenic Poisoning : CK(243) : AC(91), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Insulin Sensitizers : CK(1185) : AC(244)

Ginger, Garlic, Clove, and Anise (in order of efficacy) reduce the adverse effects of arsenite in mouse bone marrow cells.

Pubmed Data : Afr J Med Med Sci. 2003 Mar;32(1):75-80. PMID: 15030071

Article Published Date : Mar 01, 2003

Authors : O A Odunola

Study Type : In Vitro Study
Additional Links
Substances : Anise : CK(88) : AC(28), Clove : CK(177) : AC(99), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444)
Diseases : Arsenic Poisoning : CK(243) : AC(91)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Turmeric and ginger were effective in eliminating arsenic from the body but could protect from possible damage caused by arsenic exposure.

Pubmed Data : J Ethnopharmacol. 2016 Aug 2. Epub 2016 Aug 2. PMID: 27496583

Article Published Date : Aug 01, 2016

Authors : Suman Biswas, Chinmoy Maji, Prasanta Kumar Sarkar, Samar Sarkar, Abichal Chattopadhyay, Tapan Kumar Mandal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Arsenic Poisoning : CK(243) : AC(91)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cytoprotective : CK(659) : AC(326), Detoxifier : CK(644) : AC(202)

Arthritis (AC 1) (CK 1)

Effect of ginger on inflammatory diseases.

Pubmed Data : Molecules. 2022 Oct 25 ;27(21). Epub 2022 Oct 25. PMID: 36364048

Article Published Date : Oct 24, 2022

Authors : Pura Ballester, Begoña Cerdá, Raúl Arcusa, Javier Marhuenda, Karen Yamedjeu, Pilar Zafrilla

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Arthritis : CK(3858) : AC(899), Inflammation : CK(9572) : AC(3089), Psoriasis : CK(594) : AC(144)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Arthritis: Rheumatoid (AC 2) (CK 4)

Ginger contains compounds with significant joint-protective effects in experimental rheumatoid arthritis.

Pubmed Data : J Nat Prod. 2009 Feb 13. PMID: 19216559

Article Published Date : Feb 13, 2009

Authors : Janet L Funk, Jennifer B Frye, Janice N Oyarzo, Barbara N Timmermann

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Arthritis: Rheumatoid : CK(335) : AC(63)

Ginger extract is superior to the NSAID drug indomethacin in a rat model of rheumatoid arthritis.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2009 Mar;104(3):262-71. Epub 2009 Jan 20. PMID: 19175367

Article Published Date : Mar 01, 2009

Authors : Abdel-Motaal M Fouda, Mohamed Y Berika

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Arthritis: Rheumatoid : CK(335) : AC(63)
Additional Keywords : Food as Medicine : CK(19) : AC(7), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Asthma (AC 1) (CK 1)

Zingiber mioga attenuates allergic asthma induced by ovalbumin challenge.

Pubmed Data : Mol Med Rep. 2015 Sep ;12(3):4538-4545. Epub 2015 Jun 11. PMID: 26063513

Article Published Date : Aug 31, 2015

Authors : Na-Rae Shin, In-Sik Shin, Chan-Mi Jeon, Ju-Mi Hong, Ok-Kyoung Kwon, Hui-Seong Kim, Sei-Ryang Oh, Kyu-

Woung Hahn, Kyung-Seop Ahn

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Asthma : CK(2488) : AC(486), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : interleukin-13 down-regulation : CK(90) : AC(47), Interleukin-4 downregulation : CK(355) : AC(128), Interleukin-5 downregulation : CK(120) : AC(49), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Atherosclerosis (AC 1) (CK 20)

The present systematic review and meta-analysis suggests that ginger had a favorable effect on triacylglycerol and low density lipoprotein cholesterol.

Pubmed Data : Phytomedicine. 2018 Apr 1 ;43:28-36. Epub 2018 Mar 19. PMID: 29747751

Article Published Date : Mar 31, 2018

Authors : Makan Pourmasoumi, Amir Hadi, Nahid Rafie, Ameneh Najafgholizadeh, Hamed Mohammadi, Mohammad Hossein Rouhani

Study Type : Meta Analysis
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Atherosclerosis : CK(1390) : AC(487)

Avian Influenza (AC 1) (CK 1)

Ginger may have anti- avian influenza virus H9N2 potential.

Pubmed Data : Pak J Pharm Sci. 2017 Jul ;30(4):1341-1344. PMID: 29039335

Article Published Date : Jun 30, 2017

Authors : Amir Rasool, Muti-Ur-Rehman Khan, Muhammad Asad Ali, Aftab Ahmad Anjum, Ishtiaq Ahmed, Asim Aslam, Ghulam Mustafa, Saima Masood, Muhammad Amjad Ali, Muhammad Nawaz

Study Type : In Vitro Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444)
Diseases : Avian Influenza : CK(38) : AC(22)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Bacillus Cereus infection (AC 1) (CK 1)

Coriander and cumin seed oil combination might be used as a potential

source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: 26132146

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study
Additional Links
Substances : Bay leaf : CK(58) : AC(30), Black Pepper : CK(714) : AC(307), Coriandor : CK(4) : AC(4), Cumin : CK(99) : AC(38), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Mustard Oil : CK(3) : AC(3), Mustard Oil : CK(3) : AC(3), Turmeric : CK(7078) : AC(3169)
Diseases : Bacillus Cereus infection : CK(29) : AC(28), Escherichia coli Infections : CK(401) : AC(297), Listeria Infections : CK(76) : AC(64), Micrococcus luteus infections : CK(5) : AC(5), Salmonella Infections : CK(149) : AC(113), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antimicrobial : CK(1209) : AC(582), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Essential Oils : CK(736) : AC(311), Natural Substance Synergy : CK(1094) : AC(506)

Bacterial Infections: Resistance/Biofilm Formation (AC 2) (CK 2)

Antibacterial effect of Allium sativum cloves and Zingiber officinale rhizomes against multiple-drug resistant clinical pathogens.

Pubmed Data : Asian Pac J Trop Biomed. 2012 Aug ;2(8):597-601. PMID: 23569978

Article Published Date : Jul 31, 2012

Authors : Ponmurugan Karuppiah, Shyamkumar Rajaram

Study Type : Bacterial
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444)
Diseases : Bacterial Infections: Resistance/Biofilm Formation : CK(425) : AC(201), Infection: Antibiotic Resistant : CK(611) : AC(292)

The role of diallyl sulfides and dipropyl sulfides in the in vitro antimicrobial activity of the essential oil of garlic, Allium sativum L., and Leek, Allium porrum L.

Pubmed Data : Phytother Res. 2013 Mar ;27(3):380-3. Epub 2012 May 21. PMID: 22610968

Article Published Date : Feb 28, 2013

Authors : Sergio Casella, Michele Leonardi, Bernardo Melai, Filippo Fratini, Luisa Pistelli

Study Type : Bacterial
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444)
Diseases : Bacterial Infections: Resistance/Biofilm Formation : CK(425) : AC(201)
Additional Keywords : Multi-Drug Resistant Pathogens : CK(16) : AC(15)

Bisphenol Toxicity (AC 2) (CK 3)

Bisphenol Toxicity (AC 2) (CK 3)

Evaluation of curcuma and ginger mixture ability to prevent ROS production induced by bisphenol S.

Pubmed Data : Drug Chem Toxicol. 2019 Nov 19:1-7. Epub 2019 Nov 19. PMID: 31742468

Article Published Date : Nov 18, 2019

Authors : Valeria Pasciu, Elena Baralla, Maria Vittoria Varoni, Maria Piera Demontis

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Bisphenol Toxicity : CK(2930) : AC(882)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Problem Substances : Bisphenol S : CK(514) : AC(172)

Ginger extract ameliorates bisphenol A induced disruption in thyroid hormones synthesis and metabolism.

Pubmed Data : Sci Total Environ. 2019 Nov 3:134664. Epub 2019 Nov 3. PMID: 31757552

Article Published Date : Nov 02, 2019

Authors : Eman T Mohammed, Khalid S Hashem, Amr E Ahmed, Mohamed Tarek Aly, Lotfi Aleya, Mohamed M Abdel-Daim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bisphenol Toxicity : CK(2930) : AC(882)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Heme oxygenase-1 up-regulation : CK(624) : AC(373), Nrf2 activation : CK(1584) : AC(916)
Problem Substances : Bisphenol A : CK(3250) : AC(951)

Bladder Cancer (AC 1) (CK 1)

6-gingerol induces caspase-dependent apoptosis in bladder cancer cells.

Pubmed Data : Int J Med Sci. 2022 ;19(7):1093-1102. Epub 2022 Jun 21. PMID: 35919815

Article Published Date : Dec 31, 2021

Authors : Na Ri Choi, Woo-Gyun Choi, Min Ji Kwon, Joo Han Woo, Byung Joo Kim

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bladder Cancer : CK(632) : AC(247)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

Bleeding: Excessive (AC 1) (CK 10)

Ginger is an effective supplement for heavy menstrual bleeding.

Pubmed Data : Phytother Res. 2014 Oct 8. Epub 2014 Oct 8. PMID: 25298352

Article Published Date : Oct 07, 2014

Authors : Farzaneh Kashefi, Marjan Khajehei, Mohammad Alavinia, Ebrahim Golmakani, Javad Asili

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bleeding: Excessive : CK(12) : AC(2), Menorrhagia : CK(32) : AC(5), Uterine Bleeding : CK(20) : AC(2)

Bone Diseases (AC 1) (CK 1)

Osteogenic potential of zingerone, a phenolic compound in mouse mesenchymal stem cells.

Pubmed Data : Biofactors. 2019 May 15. Epub 2019 May 15. PMID: 31091349

Article Published Date : May 14, 2019

Authors : Narasimhan Srinaath, Kalimuthu Balagangadharan, Vikraman Pooja, Udhaykumar Paarkavi, Adhikari Trishla, Nagarajan Selvamurugan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bone Diseases : CK(18) : AC(6)
Pharmacological Actions : MicroRNA modulator : CK(1023) : AC(618)
Additional Keywords : Mesenchymal Stem Cells : CK(13) : AC(7)

Brain Damage (AC 3) (CK 6)

Ginger mitigates damage and improves memory impairment in focal cerebral ischemia.

Pubmed Data : Evid Based Complement Alternat Med. 2011;2011:429505. Epub 2010 Dec 20. PMID: 21197427

Article Published Date : Jan 01, 2011

Authors : Jintanaporn Wattanathorn, Jinatta Jittiwat, Terdthai Tongun, Supaporn Muchimapura, Kornkanok Ingkaninan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Damage : CK(129) : AC(60), Cerebral Ischemia : CK(670) : AC(304), Memory Disorders : CK(1067) : AC(339)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Ginger protects against dichlorvos and lindane induced oxidative stress in rat brain.

Pubmed Data : Pharmacognosy Res. 2012 Jan ;4(1):27-32. PMID: 22224058

Article Published Date : Jan 01, 2012

Authors : Poonam Sharma, Rambir Singh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Damage : CK(129) : AC(60)
Pharmacological Actions : Glutathione Upregulation : CK(299) : AC(96), Neuroprotective Agents : CK(10404) : AC(4396), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)
Problem Substances : Dichlorvos : CK(15) : AC(8), Lindane : CK(2) : AC(1)

Neuroprotective role of 6-Gingerol-rich fraction of ginger against acrylonitrile-induced neurotoxicity.

Pubmed Data : J Basic Clin Physiol Pharmacol. 2018 Dec 22. Epub 2018 Dec 22. PMID: 30864424

Article Published Date : Dec 21, 2018

Authors : Ebenezer Olatunde Farombi, Amos Olalekan Abolaji, Babatunde Oluwafemi Adetuyi, Olaide Awosanya, Mobolaji Fabusoro

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Brain Damage : CK(129) : AC(60)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Brain Inflammation (AC 7) (CK 12)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: 25789481

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Central Nervous System Diseases : CK(36) : AC(30), Cerebral Ischemia : CK(670) : AC(304)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Paradols : CK(1) : AC(1)

A combination of ginger and peony root may prevent memory impairment in AD by inhibiting Aβ accumulation and inflammation in the brain.

Pubmed Data : J Alzheimers Dis. 2015 Nov 30. Epub 2015 Nov 30. PMID: 26639976

Article Published Date : Nov 29, 2015

Authors : Soonmin Lim, Jin Gyu Choi, Minho Moon, Hyo Geun Kim, Wonil Lee, Hyoung-Rok Bak, Hachang Sung, Chi Hye Park, Sun Yeou Kim, Myung Sook Oh

Study Type : Transgenic Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Peony : CK(294) : AC(125)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Brain Inflammation : CK(1101) : AC(567)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Cyclooxygenase 2 Inhibitors : CK(1589) :

AC(926)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Elucidating the beneficial effects of ginger in Parkinson's disease.

Pubmed Data : ACS Pharmacol Transl Sci. 2022 Oct 14 ;5(10):838-848. Epub 2022 Sep 7. PMID: 36268117

Article Published Date : Oct 13, 2022

Authors : Efthalia Angelopoulou, Yam Nath Paudel, Sokratis G Papageorgiou, Christina Piperi

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Ginger inhibits micoglial cell activiation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: 19233241

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain: Microglial Activation : CK(164) : AC(98), Brain Inflammation : CK(1101) : AC(567), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Nitric Oxide Inhibitor : CK(498) : AC(258), Prostaglandin Antagonists : CK(27) : AC(13)

Gingerol-enriched ginger supplementation mitigates neuropathic pain.

Pubmed Data : Front Pharmacol. 2022 ;13:912609. Epub 2022 Jul 8. PMID: 35873544

Article Published Date : Dec 31, 2021

Authors : Chwan-Li Shen, Rui Wang, Vadim Yakhnitsa, Julianna Maria Santos, Carina Watson, Takaki Kiritoshi, Guangchen Ji, Abdul Naji Hamood, Volker Neugebauer

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Gut-brain Axis : CK(392) : AC(177)

The results suggest that the ginger extract can reduce morphine-induced neuroinflammation.

Pubmed Data : Addict Health. 2019 Apr ;11(2):66-72. PMID: 31321003

Article Published Date : Mar 31, 2019

Authors : Shima Torkzadeh-Mahani, Saeed Esmaeili-Mahani, Sima Nasri, Fatemeh Darvishzadeh, Reyhaneh Naderi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Problem Substances : Morphine : CK(110) : AC(40)

Zingiber officinale Roscoe rhizomes as a novel and interesting candidate for the management of neuropathic pain.

Pubmed Data : Phytomedicine. 2020 Nov ;78:153307. Epub 2020 Aug 19. PMID: 32846405

Article Published Date : Oct 31, 2020

Authors : Vittoria Borgonetti, Paolo Governa, Marco Biagi, Federica Pellati, Nicoletta Galeotti

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Brain: Microglial Activation (AC 1) (CK 2)

Ginger inhibits micoglial cell activiation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: 19233241

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain: Microglial Activation : CK(164) : AC(98), Brain Inflammation : CK(1101) : AC(567), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Nitric Oxide Inhibitor : CK(498) : AC(258), Prostaglandin Antagonists : CK(27) : AC(13)

Breast Cancer (AC 15) (CK 27)

10-gingerol-loaded nanoemulsion and its biological effects on triple-negative breast cancer cells.

Pubmed Data : AAPS PharmSciTech. 2021 May 18 ;22(5):157. Epub 2021 May 18. PMID: 34008089

Article Published Date : May 17, 2021

Authors : Ideli Zanesco-Fontes, Ana Carolina Lopes Silva, Patrícia Bento da Silva, Jonatas Lobato Duarte, Leonardo Delello Di Filippo, Marlus Chorilli, Marcia Regina Cominetti, Ana Carolina Baptista Moreno Martin

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

6-Dehydrogingerdione, an active constituent of dietary ginger, induces cell cycle arrest and programmed cell death in human breast cancer cells.

Pubmed Data : Mol Nutr Food Res. 2010 Feb 19. Epub 2010 Feb 19. PMID: 20175081

Article Published Date : Feb 19, 2010

Authors : Ya-Ling Hsu, Chung-Yi Chen, Ming-Feng Hou, Eing-Mei Tsai, Yuh-Jyh Jong, Chih-Hsing Hung, Po-Lin Kuo

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

Anticancer efficacy of 6-gingerol with paclitaxel against wild type of human breast adenocarcinoma.

Pubmed Data : Molecules. 2022 Apr 22 ;27(9). Epub 2022 Apr 22. PMID: 35566044

Article Published Date : Apr 21, 2022

Authors : Kamila Wala, Wojciech Szlasa, Natalia Sauer, Paulina Kasperkiewicz-Wasilewska, Anna Szewczyk, Jolanta Saczko, Nina Rembiałkowska, Julita Kulbacka, Dagmara Baczyńska

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)
Additional Keywords : Chemothapeutic Synergy: Paclitaxel : CK(109) : AC(85)

Combined Zingiber officinale and Terminalia chebula induces apoptosis and modulates mTOR and hTERT gene expressions in MCF-7 cell line.

Pubmed Data : Nutr Cancer. 2020 Jul 14:1-10. Epub 2020 Jul 14. PMID: 32664754

Article Published Date : Jul 13, 2020

Authors : Jayasindu Mathiyazhagan, Gothandam Kodiveri Muthukaliannan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

Combining ginger extract and doxorubicin revealed a greater efficacy as anticancer therapeutic regimen.

Pubmed Data : Eur J Nutr. 2017 Feb 22. Epub 2017 Feb 22. PMID: 28229277

Article Published Date : Feb 21, 2017

Authors : Nahla E El-Ashmawy, Naglaa F Khedr, Hoda A El-Bahrawy, Hend E Abo Mansour

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Chemosensitizer : CK(1124) : AC(854), Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Chemotherapeutic Synergy: Doxorubicin : CK(220) : AC(168)

Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils.

Pubmed Data : Biomed Pharmacother. 2018 Oct ;106:946-955. Epub 2018 Jul 12. PMID: **30119267**

Article Published Date : Sep 30, 2018

Authors : Waad A Al-Otaibi, Mayson H Alkhatib, Abdulwahab Noor Wali

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Cervical Cancer : CK(756) : AC(422)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemosensitizer : CK(1124) : AC(854)
Additional Keywords : Chemotherapeutic Synergy: Mitomycin C : CK(7) : AC(6), Essential Oils : CK(736) : AC(311)

Effectiveness of ginger to overcome nausea and vomiting caused by chemotherapy in breast cancer patients.

Pubmed Data : Can Oncol Nurs J. 2020 ;30(1):3-5. Epub 2020 Jan 1. PMID: **33118988**

Article Published Date : Dec 31, 2019

Authors : Dwi Fitriyanti, Reni Sulung

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)

Evaluation of the combinatorial effect of Tinospora cordifolia and Zingiber officinale on human breast cancer cells.

Pubmed Data : 3 Biotech. 2019 Nov ;9(11):428. Epub 2019 Oct 29. PMID: **31696033**

Article Published Date : Oct 31, 2019

Authors : Gitanjali Javir, Kalpana Joshi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Guduchi : CK(93) : AC(21)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance Synergy : CK(1094) : AC(506)

Ginger and chamomile were both significantly effective for reducing the frequency of vomiting.

Pubmed Data : Asian Pac J Cancer Prev. 2016 ;17(8):4125-9. PMID: **27644672**

Article Published Date : Dec 31, 2015

Authors : Fateme Sanaati, Safa Najafi, Zahra Kashaninia, Masoud Sadeghi

Study Type : Human Study
Additional Links
Substances : Chamomile : CK(706) : AC(130), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Nausea: Chemotherapy-Induced : CK(288) : AC(32)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger has significant anti-breast cancer properties.

Pubmed Data : J Biomed Biotechnol. 2012 ;2012:614356. Epub 2012 Aug 26. PMID: **22969274**

Article Published Date : Dec 31, 2011

Authors : Ayman I Elkady, Osama A Abuzinadah, Nabih A Baeshen, Tarek R Rahmy

Study Type : Insect Study
Additional Links

Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bax/Bcl2 Ratio: Decrease : CK(29) : AC(18), Bcl-2 protein down-regulation : CK(553) : AC(407)

Gingerenone A induces antiproliferation and senescence of breast cancer cells.

Pubmed Data : Antioxidants (Basel). 2022 Mar 19 ;11(3). Epub 2022 Mar 19. PMID: 35326237

Article Published Date : Mar 18, 2022

Authors : Tzu-Jung Yu, Jen-Yang Tang, Jun-Ping Shiau, Ming-Feng Hou, Chia-Hung Yen, Fu Ou-Yang, Chung-Yi Chen, Hsueh-Wei Chang

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032)

Gingerol, a compound found within ginger, inhibits metastasis of human breast cancer cells.

Pubmed Data : J Nutr Biochem. 2008 May;19(5):313-9. Epub 2007 Aug 1. PMID: 17683926

Article Published Date : May 01, 2008

Authors : Hyun Sook Lee, Eun Young Seo, Nam E Kang, Woo Kyung Kim

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Cancer Metastasis : CK(798) : AC(431)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Antiproliferative : CK(6801) : AC(5032), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442)

Kampo preparation Daikenchuto could be useful for cancer therapy.

Pubmed Data : J Nat Med. 2016 Apr 8. Epub 2016 Apr 8. PMID: 27059786

Article Published Date : Apr 07, 2016

Authors : Takuya Nagata, Kazufumi Toume, Lv Xiao Long, Katsuhisa Hirano, Toru Watanabe, Shinichi Sekine, Tomoyuki Okumura, Katsuko Komatsu, Kazuhiro Tsukada

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginseng : CK(2684) : AC(1192)
Diseases : Breast Cancer : CK(6327) : AC(2272), Colon Cancer : CK(1493) : AC(954), Esophageal Cancer : CK(805) : AC(190), Gastric Cancer : CK(1165) : AC(504)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

Preventive effect of combined Zingiber officinale and Terminalia chebula against DMBA-induced breast cancer rats via mTOR inhibition.

Pubmed Data : Nutr Cancer. 2021 Apr 6:1-10. Epub 2021 Apr 6. PMID: 33821702

Article Published Date : Apr 05, 2021

Authors : Jayasindu Mathiyazhagan, Ramamoorthy Siva, Rama Jayaraj, Harishkumar Madhyastha, Gothandam Kodiveri Muthukaliannan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Terminalia : CK(27) : AC(18)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717)

Zingerone induced caspase-dependent apoptosis in MCF-7 cells and prevents 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis.

Pubmed Data : J Biochem Mol Toxicol. 2019 Sep 2:e22387. Epub 2019 Sep 2. PMID: 31476248

Article Published Date : Sep 01, 2019

Authors : Hongyun Gan, Yaqing Zhang, Qingyun Zhou, Lierui Zheng, Xiaofeng Xie, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Breast Cancer: Chemically-Induced : CK(54) : AC(31)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)

Breast Cancer: Chemically-Induced (AC 1) (CK 1)

Zingerone induced caspase-dependent apoptosis in MCF-7 cells and prevents 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis.

Pubmed Data : J Biochem Mol Toxicol. 2019 Sep 2:e22387. Epub 2019 Sep 2. PMID: 31476248

Article Published Date : Sep 01, 2019

Authors : Hongyun Gan, Yaqing Zhang, Qingyun Zhou, Lierui Zheng, Xiaofeng Xie, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Breast Cancer: Chemically-Induced : CK(54) : AC(31)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)

Breast Cancer: Triple Negative (AC 1) (CK 1)

Ginger extract activates caspase independent paraptosis in cancer cells.

Pubmed Data : Nutr Cancer. 2019 Nov 5:1-13. Epub 2019 Nov 5. PMID: 31690139

Article Published Date : Nov 04, 2019

Authors : Divya Nedungadi, Anupama Binoy, Vivek Vinod, Muralidharan Vanuopadath, Sudarslal Sadasivan Nair, Bipin G Nair, Nandita Mishra

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer: Triple Negative : CK(708) : AC(466)
Pharmacological Actions : Paraptosis : CK(14) : AC(14)

Breast Milk: Inadequate/Poor Quality (AC 1) (CK 10)

Ginger is a promising natural galactagogue to improve breast milk volume in the immediate postpartum period without any notable side effect.

Pubmed Data : Breastfeed Med. 2016 Aug 9. Epub 2016 Aug 9. PMID: 27505611

Article Published Date : Aug 08, 2016

Authors : Panwara Paritakul, Kasem Ruangrongmorakot, Wipada Laosooksathit, Maysita Suksamarnwong, Pawin Puapornpong

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Milk: Inadequate/Poor Quality : CK(124) : AC(13)
Pharmacological Actions : Galactogogue : CK(73) : AC(8)

Bromobenzene Toxicity (AC 1) (CK 2)

Ginger protects against bromobenzene-induced liver toxicity in male rats.

Pubmed Data : Food Chem Toxicol. 2009 Jul;47(7):1584-90. Epub 2009 Apr 23. PMID: 19371770

Article Published Date : Jul 01, 2009

Authors : A S El-Sharaky, A A Newairy, M A Kamel, S M Eweda

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bromobenzene Toxicity : CK(4) : AC(2)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Bronchopulmonary Dysplasia (AC 1) (CK 3)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: 30121057

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, HalilİbrahimYakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

C-Reactive Protein (AC 1) (CK 10)

Ginger powder supplementation can reduce inflammatory markers in patients with knee osteoarthritis.

Pubmed Data : J Tradit Complement Med. 2016 Jul ;6(3):199-203. Epub 2015 Jan 28. PMID: **27419081**

Article Published Date : Jun 30, 2016

Authors : Zahra Naderi, Hassan Mozaffari-Khosravi, Ali Dehghan, Azadeh Nadjarzadeh, Hassan Fallah Huseini

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : C-Reactive Protein : CK(3134) : AC(310), Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Nitric Oxide Inhibitor : CK(498) : AC(258)

Cachexia: Cancer (AC 1) (CK 10)

The effect of ginger in patients with advanced cancer.

Pubmed Data : Support Care Cancer. 2019 Nov 19. Epub 2019 Nov 19. PMID: **31745695**

Article Published Date : Nov 18, 2019

Authors : Ravi Bhargava, Martin Chasen, Michael Elten, Neil MacDonald

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cachexia: Cancer : CK(125) : AC(41), Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-Cachexic Agents : CK(79) : AC(26), Chemotherapeutic : CK(2328) : AC(1086)

Cadmium Poisoning (AC 2) (CK 4)

A spice mixture containing garlic, ginger and nutmeg possesses both therapeutic and prophylactic effect against Cd-induced organ damage.

Pubmed Data : Adv Pharm Bull. 2016 Jun ;6(2):271-4. Epub 2016 Jun 30. PMID: 27478792

Article Published Date : May 31, 2016

Authors : Emmanuel Ike Ugwuja, Omotayo O Erejuwa, Nicholas C Ugwu

Study Type : Animal Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Nutmeg : CK(49) : AC(32)
Diseases : Cadmium Poisoning : CK(306) : AC(152)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: 30402094

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cadmium Poisoning : CK(306) : AC(152)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Cancer Metastasis (AC 4) (CK 4)

A novel zingerone derivative and zingerone synergistically suppresses hepatocellular carcinoma metastasis.

Pubmed Data : Bioorg Med Chem Lett. 2017 02 15 ;27(4):1081-1088. Epub 2016 Dec 20. PMID: 28110870

Article Published Date : Jan 14, 2017

Authors : Young-Joo Kim, Youngsic Jeon, Taejung Kim, Won-Chul Lim, Jungyeob Ham, Young Nyun Park, Tae-Jin Kim, Hyeonseok Ko

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Cancer Metastasis : CK(798) : AC(431), Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481)

Gingerol, a compound found within ginger, inhibits metastasis of human breast cancer cells.

Pubmed Data : J Nutr Biochem. 2008 May;19(5):313-9. Epub 2007 Aug 1. PMID: 17683926

Article Published Date : May 01, 2008

Authors : Hyun Sook Lee, Eun Young Seo, Nam E Kang, Woo Kyung Kim

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Cancer Metastasis : CK(798) : AC(431)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Antiproliferative : CK(6801) : AC(5032), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442)

In vivo and in vitro studies have established that phenolic components of ginger induce apoptosis and autophagy and inhibit metastasis.

Pubmed Data : Curr Pharm Des. 2016 Jun 8. Epub 2016 Jun 8. PMID: 27290916

Article Published Date : Jun 07, 2016

Authors : Indu Pal Kaur, Parneet Kaur Deol, Kanthi Kiran, Mahendra Bishnoi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancer Metastasis : CK(798) : AC(431), Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Apoptotic : CK(6986) : AC(5304), Autophagy Inhibitors : CK(175) : AC(115)

Zingiberene targets the miR-16/cyclin-B1 axis to regulate the growth, migration and invasion of human liver cancer cells.

Pubmed Data : J BUON. 2020 Jul-Aug;25(4):1904-1910. PMID: 33099931

Article Published Date : Jun 30, 2020

Authors : Xiulan Peng, Renfeng Luo, Jingtao Li, Anbing He, Xia Wang, Huan Wan, Yahong Cai, Weiguo Dong, Jun Lin

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancer Metastasis : CK(798) : AC(431), Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), MicroRNA modulator : CK(1023) : AC(618)

Cancers: All (AC 13) (CK 23)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: 23717767

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Inflammation : CK(9572) : AC(3089), Liver Disease: Oxidative Stress : CK(12) : AC(6), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antioxidants : CK(21528) : AC(8856), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Gastrointestinal Agents : CK(3145) : AC(843)

A review of the protective and therapeutic potential of ginger extract and 6-gingerol in cancer.

Pubmed Data : Phytother Res. 2018 Jul 16. Epub 2018 Jul 16. PMID: 30009484

Article Published Date : Jul 15, 2018

Authors : Rosália Maria Tôrres de Lima, Antonielly Campinho Dos Reis, Ag-Anne Pereira Melo de Menezes, José Victor de Oliveira Santos, José Williams Gomes de Oliveira Filho, José Roberto de Oliveira Ferreira, Marcus Vinícius Oliveira Barros de Alencar, Ana Maria Oliveira Ferreira da Mata, Ishaq N Khan, Amirul Islam, Shaikh Jamal Uddin, Eunüs S Ali, Muhammad Torequl Islam, Swati Tripathi, Siddhartha Kumar Mishra, Mohammad S Mubarak, Ana Amélia de Carvalho Melo-Cavalcante

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

Effects of ginger extract and its major component 6-gingerol on anti-tumor property through mitochondrial biogenesis in CD8 + T cells.

Pubmed Data : J Food Sci. 2022 Jun 16. Epub 2022 Jun 16. PMID: **35708209**

Article Published Date : Jun 15, 2022

Authors : Xiaohong Deng, Dandan Chen, Xianjun Sun, Jingcheng Dong, Jianhua Huang

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475)

Ginger contains the compound zerumbone, which may have chemopreventive activity through activating phase II drug metabolizing enzymes.

Pubmed Data : FEBS Lett. 2004 Aug 13;572(1-3):245-50. PMID: **15304356**

Article Published Date : Aug 13, 2004

Authors : Yoshimasa Nakamura, Chiho Yoshida, Akira Murakami, Hajime Ohigashi, Toshihiko Osawa, Koji Uchida

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Antioxidants : CK(21528) : AC(8856), Phase II Detoxification Enzyme Inducer : CK(95) : AC(52)

Ginger has therapeutic properties relevant to cancer treatment.

Pubmed Data : J BUON. 2011 Jul-Sep;16(3):414-24. PMID: **22006742**

Article Published Date : Jul 01, 2011

Authors : M M Pereira, R Haniadka, P P Chacko, P L Palatty, M S Baliga

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Cancers: Drug Resistant : CK(715) : AC(493)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Chemosensitizer : CK(1124) : AC(854), Radioprotective : CK(1668) : AC(521)

Ginger: A novel strategy to battle cancer through modulating cell signalling pathways.

Pubmed Data : Curr Pharm Biotechnol. 2019 Jan 19. Epub 2019 Jan 19. PMID: **30659535**

Article Published Date : Jan 18, 2019

Authors : Ahmad Almatroudi, Mohammed A Alsahli, Faris Alrumaihi, Khaled S Allemailem, Arshad Husain Rahmani

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Angiogenesis Inhibitors : CK(488) : AC(296), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: **25838819**

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590), Gastrointestinal Cancer : CK(71) : AC(25)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Significant Treatment Outcome : CK(3903) : AC(462)

In vivo and in vitro studies have established that phenolic components of ginger induce apoptosis and autophagy and inhibit metastasis.

Pubmed Data : Curr Pharm Des. 2016 Jun 8. Epub 2016 Jun 8. PMID: **27290916**

Article Published Date : Jun 07, 2016

Authors : Indu Pal Kaur, Parneet Kaur Deol, Kanthi Kiran, Mahendra Bishnoi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancer Metastasis : CK(798) : AC(431), Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Apoptotic : CK(6986) : AC(5304), Autophagy Inhibitors : CK(175) : AC(115)

Mechanisms of chemopreventive and therapeutic proprieties of ginger extracts in cancer.

Pubmed Data : Int J Mol Sci. 2021 Jun 20 ;22(12). Epub 2021 Jun 20. PMID: **34202966**

Article Published Date : Jun 19, 2021

Authors : Mariia Zadorozhna, Domenica Mangieri

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Angiogenesis Inhibitors : CK(488) : AC(296), Antiproliferative : CK(6801) : AC(5032), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: **20211236**

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa,

Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Aging : CK(3728) : AC(933), Cancers: All : CK(28241) : AC(10590), Cardiovascular Diseases : CK(12780) : AC(1983), Dementia : CK(1689) : AC(279), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)

The content of 6-shogaol is very low in fresh ginger, but significantly higher after steaming.

Pubmed Data : Am J Chin Med. 2015 Oct 18:1-13. Epub 2015 Oct 18. PMID: 26477795

Article Published Date : Oct 17, 2015

Authors : Chong-Zhi Wang, Lian-Wen Qi, Chun-Su Yuan

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717)

The effect of ginger in patients with advanced cancer.

Pubmed Data : Support Care Cancer. 2019 Nov 19. Epub 2019 Nov 19. PMID: 31745695

Article Published Date : Nov 18, 2019

Authors : Ravi Bhargava, Martin Chasen, Michael Elten, Neil MacDonald

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cachexia: Cancer : CK(125) : AC(41), Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-Cachexic Agents : CK(79) : AC(26), Chemotherapeutic : CK(2328) : AC(1086)

Zingerone suppresses angiogenesis via inhibition of matrix metalloproteinases during tumor development.

Pubmed Data : Oncotarget. 2016 Jul 26 ;7(30):47232-47241. PMID: 27323807

Article Published Date : Jul 25, 2016

Authors : Woom-Yee Bae, Jae-Sun Choi, Ja-Eun Kim, Chan Park, Joo-Won Jeong

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Cancers: All : CK(28241) : AC(10590), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)

Cancers: Drug Resistant (AC 4) (CK 4)

Fermented ginger extract reduces the NF-kB-mediated activation of CXCR4 and enhances oxaliplatin-induced cytotoxicity in oxaliplatin-resistant CRC cells.

Pubmed Data : Antioxidants (Basel). 2022 Oct 19 ;11(10). Epub 2022 Oct 19. PMID: **36290780**

Article Published Date : Oct 18, 2022

Authors : Ko-Chao Lee, Kuen-Lin Wu, Shun-Fu Chang, Hsin-I Chang, Cheng-Nan Chen, Yih-Yuan Chen

Study Type : In Vitro Study
Additional Links
Substances : Fermented Foods and Beverages : CK(2588) : AC(607), Ginger : CK(1514) : AC(444)
Diseases : Cancers: Drug Resistant : CK(715) : AC(493), Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemosensitizer : CK(1124) : AC(854), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Chemotherapeutic Synergy: Oxaliplatin : CK(12) : AC(9)

Ginger extract has anti-leukemia and anti-drug resistant effects on malignant cells.

Pubmed Data : J Cancer Res Clin Oncol. 2019 Aug ;145(8):1987-1998. Epub 2019 Jun 18. PMID: **31214760**

Article Published Date : Jul 31, 2019

Authors : Somayeh Rahimi Babasheikhali, Soheila Rahgozar, Mahboubeh Mohammadi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Acute lymphoblastic leukemia (ALL) : CK(193) : AC(72), Cancers: Drug Resistant : CK(715) : AC(493)
Pharmacological Actions : Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger has therapeutic properties relevant to cancer treatment.

Pubmed Data : J BUON. 2011 Jul-Sep;16(3):414-24. PMID: **22006742**

Article Published Date : Jul 01, 2011

Authors : M M Pereira, R Haniadka, P P Chacko, P L Palatty, M S Baliga

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Cancers: Drug Resistant : CK(715) : AC(493)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Chemosensitizer : CK(1124) : AC(854), Radioprotective : CK(1668) : AC(521)

Ginger phytochemicals inhibit cell growth and modulate drug resistance factors in docetaxel resistant prostate cancer cells.

Pubmed Data : Molecules. 2017 Sep 5 ;22(9). Epub 2017 Sep 5. PMID: **28872603**

Article Published Date : Sep 04, 2017

Authors : Chi-Ming Liu, Chiu-Li Kao, Yu-Ting Tseng, Yi-Ching Lo, Chung-Yi Chen

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: Drug Resistant : CK(715) : AC(493), Prostate Cancer : CK(2407) : AC(834)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Chemotherapeutic : CK(2328) : AC(1086)

Candida Glabrata (AC 1) (CK 1)

Antifungal activity of essential oils against azole-resistant and azole-

susceptible vaginal Candida glabrata strains.

Pubmed Data : Can J Microbiol. 2018 Oct ;64(10):647-663. Epub 2018 May 10. PMID: 29746162

Article Published Date : Sep 30, 2018

Authors : N Massa, S Cantamessa, G Novello, E Ranzato, S Martinotti, M Pavan, A Rocchetti, G Berta, E Gamalero, E Bona

Study Type : In Vitro Study
Additional Links
Substances : Anise : CK(88) : AC(28), Basil : CK(120) : AC(75), Basil : CK(120) : AC(75), Bergamot : CK(153) : AC(66), Ginger : CK(1514) : AC(444), Grapefruit : CK(176) : AC(55), Lavender : CK(454) : AC(66), Mint : CK(519) : AC(96), Oregano : CK(345) : AC(184), Rosemary : CK(413) : AC(163), Tea Tree : CK(154) : AC(33)
Diseases : Candida Glabrata : CK(18) : AC(17), Candidiasis: Vulvovaginal : CK(99) : AC(24)
Pharmacological Actions : Antifungal Agents : CK(494) : AC(306)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Candida Infection (AC 1) (CK 1)

Anti-microbial activity of Rosmarinus officinalis and Zingiber officinale extracts on the species of the genus Candida and on Streptococcus pneumonia.

Pubmed Data : Ann Pharm Fr. 2021 Jan ;79(1):62-69. Epub 2020 Jun 18. PMID: 32565159

Article Published Date : Dec 31, 2020

Authors : S Akroum

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Rosemary : CK(413) : AC(163)
Diseases : Candida Infection : CK(389) : AC(181), Streptococcus Infections : CK(546) : AC(117)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antifungal Agents : CK(494) : AC(306)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Candidiasis: Vulvovaginal (AC 1) (CK 1)

Antifungal activity of essential oils against azole-resistant and azole-susceptible vaginal Candida glabrata strains.

Pubmed Data : Can J Microbiol. 2018 Oct ;64(10):647-663. Epub 2018 May 10. PMID: 29746162

Article Published Date : Sep 30, 2018

Authors : N Massa, S Cantamessa, G Novello, E Ranzato, S Martinotti, M Pavan, A Rocchetti, G Berta, E Gamalero, E Bona

Study Type : In Vitro Study
Additional Links
Substances : Anise : CK(88) : AC(28), Basil : CK(120) : AC(75), Basil : CK(120) : AC(75), Bergamot : CK(153) : AC(66), Ginger : CK(1514) : AC(444), Grapefruit : CK(176) : AC(55), Lavender : CK(454) : AC(66), Mint : CK(519) : AC(96), Oregano : CK(345) : AC(184), Rosemary : CK(413) : AC(163), Tea Tree : CK(154) : AC(33)
Diseases : Candida Glabrata : CK(18) : AC(17), Candidiasis: Vulvovaginal : CK(99) : AC(24)
Pharmacological Actions : Antifungal Agents : CK(494) : AC(306)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Carcinoma: Non-Small-Cell Lung (AC 2) (CK 6)

6-gingerol a component of ginger is extensively metabolized in H-1299 human lung cancer cells.

Pubmed Data : J Agric Food Chem. 2012 Nov 14 ;60(45):11372-7. Epub 2012 Nov 6. PMID: 23066935

Article Published Date : Nov 13, 2012

Authors : Lishuang Lv, Huadong Chen, Dominique Soroka, Xiaoxin Chen, TinChung Leung, Shengmin Sang

Study Type : Animal Study, Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Carcinoma: Non-Small-Cell Lung : CK(264) : AC(161), Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032)
Additional Keywords : Biotransformation : CK(5) : AC(1), Plant Extracts : CK(14140) : AC(5210)

Zerumbone suppresses osteopontin-induced cell invasion in human non-small cell lung cancer A549 cells.

Pubmed Data : J Nat Prod. 2016 Jan 22 ;79(1):156-60. Epub 2015 Dec 17. PMID: 26681550

Article Published Date : Jan 21, 2016

Authors : Chi Gu Kang, Hyo-Jeong Lee, Sung-Hoon Kim, Eun-Ok Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Carcinoma: Non-Small-Cell Lung : CK(264) : AC(161)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Chemotherapeutic : CK(2328) : AC(1086)

Cardiac Hypertrophy (AC 1) (CK 2)

Pretreatment with zingerone prevented hyperlipidaemia and cardiac hypertrophy.

Pubmed Data : J Biochem Mol Toxicol. 2015 Apr ;29(4):182-8. Epub 2015 Jan 5. PMID: 25558849

Article Published Date : Mar 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Cardiac Hypertrophy : CK(152) : AC(84), Hyperlipidemia : CK(1569) : AC(402), Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675)

Cardiomyopathy (AC 2) (CK 4)

6-gingerol alleviates ferroptosis and inflammation of diabetic cardiomyopathy.

Pubmed Data : Oxid Med Cell Longev. 2022 ;2022:3027514. Epub 2022 Dec 31. PMID: 36624878

Article Published Date : Dec 31, 2021

Authors : Shenglin Wu, Jinxiu Zhu, Guihai Wu, Zuoqi Hu, Pengxiang Ying, Zhijun Bao, Zipeng Ding, Xuerui Tan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetes: Cardiovascular Illness : CK(707) : AC(111)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Heme oxygenase-1 up-regulation : CK(624) : AC(373), Nrf2 activation : CK(1584) : AC(916)

Ginger extract protects the heart against inflammation and fibrosis in diabetes.

Pubmed Data : Can J Diabetes. 2020 Sep 2. Epub 2020 Sep 2. PMID: 33162372

Article Published Date : Sep 01, 2020

Authors : Tara Abdi, Maryam Mahmoudabady, Hadi Zare Marzouni, Saeed Niazmand, Majid Khazaei

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetic Complications : CK(3199) : AC(1009), Myocardial Fibrosis : CK(140) : AC(64)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Cardiovascular Disease: Prevention (AC 1) (CK 10)

Daily administration of 1,000 mg ginger reduces serum triglyceride concentration, which is a risk factor for cardiovascular disease in peritoneal dialysis patients.

Pubmed Data : Perit Dial Int. 2015 Oct 16. Epub 2015 Oct 16. PMID: 26475844

Article Published Date : Oct 15, 2015

Authors : Hadi Tabibi, Hossein Imani, Shahnaz Atabak, Iraj Najafi, Mehdi Hedayati, Leila Rahmani

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiovascular Disease: Prevention : CK(6355) : AC(1018), Hemodialysis : CK(950) : AC(99), Triglycerides: Elevated : CK(916) : AC(152)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Risk Reduction : CK(15144) : AC(1708)

Cardiovascular Diseases (AC 3) (CK 3)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: 20211236

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Aging : CK(3728) : AC(933), Cancers: All : CK(28241) : AC(10590), Cardiovascular Diseases : CK(12780) : AC(1983), Dementia : CK(1689) : AC(279), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Phytonutrient supplements and metabolic biomarkers of cardiovascular disease.

Pubmed Data : Phytother Res. 2021 Mar 16. Epub 2021 Mar 16. PMID: 33724587

Article Published Date : Mar 15, 2021

Authors : Tung Hoang, Jeongseon Kim

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Hibiscus sabdariffa : CK(307) : AC(87)
Diseases : Cardiovascular Diseases : CK(12780) : AC(1983)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675)

This paper focuses on discussing the importance of selected spices in the prevention and treatment of cardiovascular diseases.

Pubmed Data : Postepy Hig Med Dosw (Online). 2016 Nov 14 ;70(0):1131-1141. Epub 2016 Nov 14. PMID: 27892897

Article Published Date : Nov 13, 2016

Authors : Bartosz Kulczyński, Anna Gramza-Michałowska

Study Type : Review
Additional Links
Substances : Cilantro : CK(17) : AC(6), Cinnamon : CK(665) : AC(196), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cardiovascular Diseases : CK(12780) : AC(1983)
Additional Keywords : Risk Reduction : CK(15144) : AC(1708)

Central Nervous System Diseases (AC 1) (CK 1)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: 25789481

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Central Nervous System Diseases : CK(36) : AC(30), Cerebral Ischemia : CK(670) : AC(304)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Paradols : CK(1) : AC(1)

Cerebral Ischemia (AC 2) (CK 3)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: 25789481

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Central Nervous System Diseases : CK(36) : AC(30), Cerebral Ischemia : CK(670) : AC(304)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Paradols : CK(1) : AC(1)

Ginger mitigates damage and improves memory impairment in focal cerebral ischemia.

Pubmed Data : Evid Based Complement Alternat Med. 2011;2011:429505. Epub 2010 Dec 20. PMID: 21197427

Article Published Date : Jan 01, 2011

Authors : Jintanaporn Wattanathorn, Jinatta Jittiwat, Terdthai Tongun, Supaporn Muchimapura, Kornkanok Ingkaninan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Damage : CK(129) : AC(60), Cerebral Ischemia : CK(670) : AC(304), Memory Disorders : CK(1067) : AC(339)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Cervical Cancer (AC 2) (CK 2)

Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils.

Pubmed Data : Biomed Pharmacother. 2018 Oct ;106:946-955. Epub 2018 Jul 12. PMID: 30119267

Article Published Date : Sep 30, 2018

Authors : Waad A Al-Otaibi, Mayson H Alkhatib, Abdulwahab Noor Wali

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Cervical Cancer : CK(756) : AC(422)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemosensitizer : CK(1124) : AC(854)
Additional Keywords : Chemotherapeutic Synergy: Mitomycin C : CK(7) : AC(6), Essential Oils : CK(736) : AC(311)

Turmeric and ginger essential oils could induce apoptosis in cervical cancer cells.

Pubmed Data : ScientificWorldJournal. 2016 ;2016:9273078. Epub 2016 Nov 30. PMID: 28042599

Article Published Date : Dec 31, 2015

Authors : P A S R Santos, G B Avanço, S B Nerilo, R I A Marcelino, V Janeiro, M C Valadares, Miguel Machinski

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cervical Cancer : CK(756) : AC(422)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Cesarean Section (AC 1) (CK 10)

Ginger extract can be used for the prevention of nausea and vomiting during cesarean section under spinal anesthesia.

Pubmed Data : Anesth Pain Med. 2016 Oct ;6(5):e38943. Epub 2016 Aug 15. PMID: 27847700

Article Published Date : Sep 30, 2016

Authors : Hossein Zeraati, Javad Shahinfar, Shiva Imani Hesari, Mahnaz Masrorniya, Fatemeh Nasimi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cesarean Section : CK(585) : AC(49)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Chemical Exposure (AC 1) (CK 2)

Ginger and zinc mixture protected against malathion induced toxicity to the liver and kidney.

Pubmed Data : Int J Immunopathol Pharmacol. 2015 Mar ;28(1):122-8. PMID: 25816415

Article Published Date : Feb 28, 2015

Authors : Ahmed A Baiomy, Hossam F Attia, Mohamed M Soliman, Omar Makrum

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zinc : CK(1486) : AC(267)
Diseases : Chemical Exposure : CK(93) : AC(28), Chemically-Induced Liver Damage : CK(1565) : AC(721), Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Additional Keywords : Malathion Toxicity : CK(2) : AC(1), Zinc Chloride : CK(2) : AC(1)

Chemically-Induced Liver Damage (AC 9) (CK 18)

Ginger and lemon juices as preventive agents from chronic liver damage induced by carbon tetrachloride.

Pubmed Data : Antioxidants (Basel). 2022 Feb 15 ;11(2). Epub 2022 Feb 15. PMID: **35204272**

Article Published Date : Feb 14, 2022

Authors : Oussama Bekkouch, Mohammed Dalli, Mohamed Harnafi, Ilham Touiss, Imane Mokhtari, Soufiane El Assri, Hicham Harnafi, Mohammed Choukri, Seok-Jae Ko, Bonglee Kim, Souliman Amrani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Lemon : CK(143) : AC(46)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Ginger and zinc mixture protected against malathion induced toxicity to the liver and kidney.

Pubmed Data : Int J Immunopathol Pharmacol. 2015 Mar ;28(1):122-8. PMID: **25816415**

Article Published Date : Feb 28, 2015

Authors : Ahmed A Baiomy, Hossam F Attia, Mohamed M Soliman, Omar Makrum

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zinc : CK(1486) : AC(267)
Diseases : Chemical Exposure : CK(93) : AC(28), Chemically-Induced Liver Damage : CK(1565) : AC(721), Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Additional Keywords : Malathion Toxicity : CK(2) : AC(1), Zinc Chloride : CK(2) : AC(1)

Ginger extracts can be considered as an effective, economical and safe extract to circumvent phosphamidon induced hepatotoxicity.

Pubmed Data : Indian J Exp Biol. 2015 Sep ;53(9):574-84. PMID: **26548077**

Article Published Date : Aug 31, 2015

Authors : Suprabhat Mukherjee, Niladri Mukherjee, Prasanta Saini, Priya Roy, Santi P Sinha Babu

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Ginger showed a protection role in glyphosate-induced liver and kidney dysfunction, oxidative stress, immunosuppression in Nile tilapia.

Pubmed Data : Vet Res Commun. 2022 Jun 30. Epub 2022 Jun 30. PMID: 35773603

Article Published Date : Jun 29, 2022

Authors : Afaf D Abdelmagid, Alshaimaa M Said, Eman A Abd El-Gawad, Sara A Shalaby, Mahmoud A O Dawood

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Glyphosate Toxicity : CK(394) : AC(151), Kidney Damage: Chemically-Induced : CK(25) : AC(13), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Glyphosate : CK(895) : AC(304)

Ginger was able to reduce the severity of diethylnitrosamine-cytotoxicity.

Pubmed Data : Biomarkers. 2019 Apr 12:1-34. Epub 2019 Apr 12. PMID: 30979347

Article Published Date : Apr 11, 2019

Authors : Abdelgawad Fahmi, Naglaa Hassanen, Mariam Abdur-Rahman, Engy Shams-Eldin

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: 26667466

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Lipid Peroxidation : CK(1632) : AC(631), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Review of polyphenol-rich products as potential protective and therapeutic factors against cadmium hepatotoxicity.

Pubmed Data : J Appl Toxicol. 2019 01 ;39(1):117-145. Epub 2018 Sep 14. PMID: 30216481

Article Published Date : Dec 31, 2018

Authors : Magdalena Mężyńska, Malgorzata M Brzóska

Study Type : Animal Study
Additional Links
Substances : Black Tea : CK(1027) : AC(256), Blueberry : CK(721) : AC(250), Chokeberry : CK(375) : AC(120), Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057), Olive Oil : CK(599) : AC(128), Polyphenols : CK(1878) : AC(700), Rosemary : CK(413) : AC(163)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Cadmium : CK(383) : AC(148)

Zingerone protects against lipopolysaccharide induced liver damage.

Pubmed Data : Chem Biol Interact. 2018 Feb 1 ;281:106-110. Epub 2017 Dec 28. PMID: 29289488

Article Published Date : Jan 31, 2018

Authors : Wonhwa Lee, Mi-Hye Hwang, Yuri Lee, Jong-Sup Bae

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Zingiber officinale diminishes diazinon-induced hepatotoxicity by suppressing oxidative stress and apoptosis.

Pubmed Data : Biotech Histochem. 2020 Jul 16:1-7. Epub 2020 Jul 16. PMID: 32672073

Article Published Date : Jul 15, 2020

Authors : Saeed Yaghubi Beklar, Maedeh Hamzeh, Abbasali Karimpour Malekshah, Fereshteh Talebpour Amiri

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Pesticide Toxicity : CK(1245) : AC(376)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Pesticides : CK(2214) : AC(420)

Chemotherapy and Radiation Toxicity (AC 4) (CK 13)

Ameliorative and protective effects of ginger and its main constituents against natural, chemical and radiation-induced toxicities.

Pubmed Data : Food Chem Toxicol. 2018 Oct 22 ;123:72-97. Epub 2018 Oct 22. PMID: 30352300

Article Published Date : Oct 21, 2018

Authors : Muhammad A Alsherbiny, Wessam H Abd-Elsalam, Shymaa A El Badawy, Ehab Taher, Mohamed Fares, Allan Torres, Dennis Chang, Chun Guang Li

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Chemoprotective Agents : CK(2322) : AC(906), Radioprotective : CK(1668) : AC(521)

Daily supplement of ginger extract started 3 days prior to chemotherapy has been shown to significantly elevate antioxidant activity.

Pubmed Data : Cancer Manag Res. 2017 ;9:11-18. Epub 2017 Jan 31. PMID: 28203106

Article Published Date : Dec 31, 2016

Authors : Kwanjit Danwilai, Jitprapa Konmun, Bung-Orn Sripanidkulchai, Suphat Subongkot

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Chemotherapeutic : CK(2328) : AC(1086)

Health benefits of spices in individuals with chemotherapeutic drug-induced cardiotoxicity.

Pubmed Data : Curr Opin Pharmacol. 2022 Apr ;63:102187. Epub 2022 Mar 1. PMID: **35245798**

Article Published Date : Mar 31, 2022

Authors : Jia Liu, Qing Zhang, Ting Tao, Ling-Yu Wang, Jia-Yi Sun, Chun-Jie Wu, Wen-Jun Zou

Study Type : Review
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Cardamom : CK(42) : AC(11), Clove : CK(177) : AC(99), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Onion : CK(420) : AC(124)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906)

Modulatory effect of zingerone against cisplatin or γ-irradiation induced hepatotoxicity by molecular targeting regulation.

Pubmed Data : Appl Radiat Isot. 2019 Sep 10 ;154:108891. Epub 2019 Sep 10. PMID: **31536909**

Article Published Date : Sep 09, 2019

Authors : Hebatallah E Mohamed, Monda M M Badawy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570), Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Hepatoprotective : CK(5098) : AC(2264), Radioprotective : CK(1668) : AC(521)

Chemotherapy-Induced Nausea (AC 7) (CK 52)

A statistically significant change from baseline for health related quality of life was detected after ginger essential oil inhalation.

Pubmed Data : Complement Ther Med. 2015 Jun ;23(3):396-404. Epub 2015 Apr 21. PMID: **26051575**

Article Published Date : May 31, 2015

Authors : Pei Lin Lua, Noor Salihah, Nik Mazlan

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32), Quality of Life: Poor : CK(549) : AC(57)
Therapeutic Actions : Aromatherapy : CK(1092) : AC(119)
Additional Keywords : Essential Oils : CK(736) : AC(311), Significant Treatment Outcome : CK(3903) : AC(462)

Effectiveness of ginger to overcome nausea and vomiting caused by chemotherapy in breast cancer patients.

Pubmed Data : Can Oncol Nurs J. 2020 ;30(1):3-5. Epub 2020 Jan 1. PMID: 33118988

Article Published Date : Dec 31, 2019

Authors : Dwi Fitriyanti, Reni Sulung

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)

Ginger (Zingiber officinale) reduces acute chemotherapy-induced nausea.

Pubmed Data : Support Care Cancer. 2012 Jul ;20(7):1479-89. Epub 2011 Aug 5. PMID: 21818642

Article Published Date : Jun 30, 2012

Authors : Julie L Ryan, Charles E Heckler, Joseph A Roscoe, Shaker R Dakhil, Jeffrey Kirshner, Patrick J Flynn, Jane T Hickok, Gary R Morrow

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170)
Additional Keywords : Phytotherapy : CK(3062) : AC(812)

Ginger reduces chemotherapy-induced nausea.

Pubmed Data : Integr Cancer Ther. 2012 Feb 7. Epub 2012 Feb 7. PMID: 22313739

Article Published Date : Feb 07, 2012

Authors : Yunes Panahi, Alireza Saadat, Amirhossein Sahebkar, Farshad Hashemian, Mojgan Taghikhani, Ehsan Abolhasani

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32)

Nausea severity and the number of vomiting episodes were significantly lower in the Ginger intervention group than in the control group.

Pubmed Data : Clin J Oncol Nurs. 2015 Oct 1 ;19(5):E92-E97. PMID: 26414587

Article Published Date : Sep 30, 2015

Authors : Müzeyyen Arslan, Leyla Ozdemir

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Chemotherapeutic : CK(2328) : AC(1086)

Protein and ginger may have therapeutic value in the treatment of chemotherapy-induced delayed nausea.

Pubmed Data : J Altern Complement Med. 2008 Jun;14(5):545-51. PMID: 18537470

Article Published Date : Jun 01, 2008

Authors : Max E Levine, Marcum G Gillis, Sara Yanchis Koch, Anne C Voss, Robert M Stern, Kenneth L Koch

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Protein Supplement : CK(65) : AC(8)

Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32), Nausea : CK(60) : AC(6)
Pharmacological Actions : Antiemetics : CK(60) : AC(5)

This review indicates that ginger possesses multiple properties that could be beneficial in reducing chemotherapy induced nausea and vomiting

Pubmed Data : Crit Rev Food Sci Nutr. 2015 Apr 7:0. Epub 2015 Apr 7. PMID: 25848702

Article Published Date : Apr 06, 2015

Authors : Wolfgang Marx, Karin Ried, Alexandra L McCarthy, Luis Vitetta, Avni Sali, Daniel McKavanagh, Elisabeth Isenring

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemotherapeutic : CK(2328) : AC(1086), Gastrointestinal Agents : CK(3145) : AC(843)

Chemotherapy-Induced Toxicity (AC 1) (CK 10)

Ginger root powder is effective in reducing severity of acute and delayed chemotherapy-induced nausea and vomiting as additional therapy to ondensetron and dexamethasone in patients receiving chemotherapy.

Pubmed Data : Pediatr Blood Cancer. 2010 Sep 14. Epub 2010 Sep 14. PMID: 20842754

Article Published Date : Sep 14, 2010

Authors : Anu Kochanujan Pillai, Kamlesh K Sharma, Yogendra K Gupta, Sameer Bakhshi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity : CK(2319) : AC(936), Nausea: Chemotherapy-Induced : CK(288) : AC(32)
Pharmacological Actions : Antiemetics : CK(60) : AC(5)

Chemotherapy-Induced Toxicity: Cyclophosphamide (AC 1) (CK 2)

Combined extracts of pumpkin seed and ginger might be used as a protective agent against cyclophosphamide induced reproductive toxicity.

Pubmed Data : Anat Sci Int. 2016 Sep ;91(4):382-90. Epub 2015 Dec 29. PMID: 26714700

Article Published Date : Aug 31, 2016

Authors : Somaieh Aghaie, Hossein Nikzad, Javad Amini Mahabadi, Mohsen Taghizadeh, Abolfazl Azami-Tameh, Aliakbar

Taherian, Seyyed Mohammad Sajjad Sajjadian, Mehran Kamani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Pumpkin Seeds : CK(11) : AC(2)
Diseases : Chemotherapy-Induced Toxicity: Cyclophosphamide : CK(267) : AC(124)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Chemotherapy-Induced Toxicity: Cisplatin (AC 8) (CK 15)

A compound in ginger known as 6-Gingerol prevents cisplatin-induced acute renal failure in rats.

Pubmed Data : J Agric Food Chem. 2005 Apr 6;53(7):2446-50. PMID: 16971750

Article Published Date : Apr 06, 2005

Authors : Anurag Kuhad, Naveen Tirkey, Sangeeta Pilkhwal, Kanwaljit Chopra

Study Type : Animal Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Renoprotective : CK(2404) : AC(1075)

Cardioprotective effect of zingerone against oxidative stress, inflammation, and apoptosis induced by cisplatin or gamma radiation.

Pubmed Data : Naunyn Schmiedebergs Arch Pharmacol. 2018 May 7. Epub 2018 May 7. PMID: 29736620

Article Published Date : May 06, 2018

Authors : Ahmed F Soliman, Lobna M Anees, Doaa M Ibrahim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906), Radioprotective : CK(1668) : AC(521)

Galangin significantly ameliorated cisplatin induced nephrotoxicity by suppressing MAPK induced inflammation and apoptosis.

Pubmed Data : Phytomedicine. 2017 Oct 15 ;34:154-161. Epub 2017 Jun 15. PMID: 28899498

Article Published Date : Oct 14, 2017

Authors : Ameesha Tomar, Swati Vasisth, Sana Irfan Khan, Salma Malik, Tapas Chandra Nag, Dharamveer Singh Arya, Jagriti Bhatia

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Renoprotective : CK(2404) : AC(1075)

Modulatory effect of zingerone against cisplatin or γ-irradiation

induced hepatotoxicity by molecular targeting regulation.

Pubmed Data : Appl Radiat Isot. 2019 Sep 10 ;154:108891. Epub 2019 Sep 10. PMID: **31536909**

Article Published Date : Sep 09, 2019

Authors : Hebatallah E Mohamed, Monda M M Badawy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570), Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Hepatoprotective : CK(5098) : AC(2264), Radioprotective : CK(1668) : AC(521)

Protective effects of zingerone on cisplatin-induced nephrotoxicity.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jun 4. Epub 2019 Jun 4. PMID: **31165450**

Article Published Date : Jun 03, 2019

Authors : Fatih Mehmet Kandemir, Serkan Yildirim, Cuneyt Caglayan, Sefa Kucukler, Gizem Eser

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Chemoprotective Agents : CK(2322) : AC(906)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: **29587238**

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yıldırım, Sefa Kucukler, Mehmet Akif Kılınc, Yavuz Selim Saglam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemoprotective Agents : CK(2322) : AC(906), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone has nephroprotective effects in cisplatin rat model of nephrotoxicity.

Pubmed Data : Biomed Pharmacother. 2018 Sep ;105:225-232. Epub 2018 May 30. PMID: **29857302**

Article Published Date : Aug 31, 2018

Authors : Tuba Alibakhshi, Mohammad Javad Khodayar, Layasadat Khorsandi, Mohammad Rashno, Leila Zeidooni

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Renoprotective : CK(2404) : AC(1075)

Zingiber officinale (Ginger) alone and in combination with vitamin E partially ameliorated cisplatin-induced nephrotoxicity.

Pubmed Data : Food Chem Toxicol. 2007 Jun;45(6):921-7. Epub 2006 Nov 29. PMID: **17210214**

Article Published Date : Jun 01, 2007

Authors : T A Ajith, V Nivitha, S Usha

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Vitamin E : CK(2533) : AC(483)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Additional Keywords : Antineoplastic Agents : CK(78) : AC(35), Plant Extracts : CK(14140) : AC(5210)

Chemotherapy-Induced Toxicity: Doxorubicin (AC 2) (CK 4)

Ginger protects against doxorubicin-induced acute kidney injury.

Pubmed Data : Food Chem Toxicol. 2008 Sep;46(9):3178-81. Epub 2008 Jul 17. PMID: 18680783

Article Published Date : Sep 01, 2008

Authors : T A Ajith, M S Aswathy, U Hema

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Doxorubicin : CK(457) : AC(236)

Zingiber officinale Roscoe ameliorates anticancer antibiotic doxorubicin-induced acute cardiotoxicity.

Pubmed Data : J Exp Ther Oncol. 2016 Jul ;11(3):171-175. PMID: 28471121

Article Published Date : Jun 30, 2016

Authors : Thekkuttuparambil Ananthanarayanan Ajith, Unnikrishnan Hema, Sreedharan Aswathi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Doxorubicin : CK(457) : AC(236)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906)
Additional Keywords : Chemoprotective Agents : CK(2322) : AC(906), Chemoprotective Agents : CK(2322) : AC(906), Chemoprotective Agents : CK(2322) : AC(906), Chemoprotective Agents : CK(2322) : AC(906)

Chemotherapy-Induced Toxicity: Oxaliplatin (AC 1) (CK 2)

Red ginger extract prevents the development of oxaliplatin-induced neuropathic pain.

Pubmed Data : Biomedicines. 2023 Feb 2 ;11(2). Epub 2023 Feb 2. PMID: 36830967

Article Published Date : Feb 01, 2023

Authors : Keun-Tae Park, Heejoon Jo, Bonglee Kim, Woojin Kim

Study Type : Animal Study
Additional Links

Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Oxaliplatin : CK(119) : AC(25)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906)

Cholesterol: High (AC 1) (CK 10)

Ginger has a significant lipid lowering effect compared to placebo.

Pubmed Data : Saudi Med J. 2008 Sep;29(9):1280-4. PMID: 18813412

Article Published Date : Sep 01, 2008

Authors : Reza Alizadeh-Navaei, Fatemeh Roozbeh, Mehrdad Saravi, Mehdi Pouramir, Farzad Jalali, Ali A Moghadamnia

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cholesterol: High : CK(1592) : AC(244), High Cholesterol : CK(2715) : AC(455), Hypercholesterolemia : CK(2333) : AC(408), Hyperlipidemia : CK(1569) : AC(402)

Cholesterol: LDL/HDL ratio (AC 1) (CK 2)

Ginger has a protective effect against dyslipidemia in diabetic rats.

Pubmed Data : J Ethnopharmacol. 2005 Feb 28;97(2):227-30. PMID: 15707757

Article Published Date : Feb 28, 2005

Authors : Uma Bhandari, Raman Kanojia, K K Pillai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cholesterol: LDL/HDL ratio : CK(556) : AC(67), Diabetes: Cardiovascular Illness : CK(707) : AC(111), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Cholesterol: Oxidation (AC 1) (CK 1)

Ginger extracts, including the water extract possess the antioxidant activities to inhibit human LDL oxidation in vitro.

Pubmed Data : J Med Food. 2014 Apr ;17(4):424-31. Epub 2014 Jan 9. PMID: 24404979

Article Published Date : Mar 31, 2014

Authors : K D Prasanna P Gunathilake, H P Vasantha Rupasinghe

Study Type : In Vitro Study
Additional Links

Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Cholesterol: Oxidation : CK(599) : AC(140)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Chronic Disease (AC 1) (CK 1)

The use of ginger and especially gingerols as medicinal food derivative appears to be safe in treating or preventing chronic diseases.

Pubmed Data : Adv Exp Med Biol. 2016 ;929:177-207. PMID: 27771925

Article Published Date : Dec 31, 2015

Authors : Yasmin Anum Mohd Yusof

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Chronic Disease : CK(84) : AC(10)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Chronic Fatigue Syndrome (AC 1) (CK 10)

Ginger-indirect moxibustion plus acupuncture versus acupuncture alone for chronic fatigue syndrome.

Pubmed Data : J Tradit Chin Med. 2022 Apr ;42(2):242-249. PMID: 35473345

Article Published Date : Mar 31, 2022

Authors : M A Tingting, W U Jie, Yang Lijie, Feng Fen, Yang Huilin, Zhang Jinhua, Zhong Yanjin, Ning Qing, Huang Lirong, Lin Youbing, Yan Jue, Chen Guiquan, Hou Tianshu, Wang Li, Ren Yuanfang, Tan Jing

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chronic Fatigue Syndrome : CK(339) : AC(56)
Therapeutic Actions : Acupuncture : CK(3141) : AC(370), Moxibustion : CK(296) : AC(30)

Chronic Pain (AC 3) (CK 31)

Clinical trials on pain lowering effect of ginger: A narrative review

Pubmed Data : Phytother Res. 2020 May 20. Epub 2020 May 20. PMID: 32436242

Article Published Date : May 19, 2020

Authors : Mariangela Rondanelli, Federica Fossari, Viviana Vecchio, Clara Gasparri, Gabriella Peroni, Daniele Spadaccini, Antonella Riva, Giovanna Petrangolini, Giancarlo Iannello, Mara Nichetti, Vittoria Infantino, Simone Perna

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chronic Pain : CK(206) : AC(33)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)

Effectiveness of ginger powder for the management of pain and gingival inflammation following open flap debridement is comparable to that of ibuprofen.

Pubmed Data : J Ayurveda Integr Med. 2020 Jul 2. Epub 2020 Jul 2. PMID: 32624375

Article Published Date : Jul 01, 2020

Authors : Pallavi Menon, Jayachandran Perayil, Angel Fenol, Maya Rajan Peter, P Lakshmi, Reshma Suresh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chronic Pain : CK(206) : AC(33), Periodontitis : CK(378) : AC(98), Postoperative Recovery : CK(227) : AC(22)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479)

Zingiberaceae extracts are clinically effective hypoalgesic agents and the available data show a better safety profile than non steroidal anti inflammatory drugs.

Pubmed Data : Nutr J. 2015 ;14:50. Epub 2015 May 14. PMID: 25972154

Article Published Date : Dec 31, 2014

Authors : Shaheen E Lakhan, Christopher T Ford, Deborah Tepper

Study Type : Meta Analysis, Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Chronic Pain : CK(206) : AC(33)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)
Problem Substances : Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) : CK(2825) : AC(496)

Cognitive Decline/Dysfunction (AC 4) (CK 15)

Effect of combined extracts of aged garlic, ginger, and chili peppers on cognitive performance and brain antioxidant markers.

Pubmed Data : Exp Anim. 2020 Feb 11. Epub 2020 Feb 11. PMID: 32051390

Article Published Date : Feb 10, 2020

Authors : Wanassanun Pannangrong, Jariya Umka Welbat, Amnard Chaichun, Bungorn Sripanidkulchai

Study Type : Animal Study
Additional Links
Substances : Chili pepper : CK(66) : AC(19), Garlic: Aged : CK(234) : AC(51), Ginger : CK(1514) : AC(444)
Diseases : Cognitive Decline/Dysfunction : CK(3236) : AC(654)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396)

Ginger is a potential cognitive enhancer for middle-aged women.

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:383062. Epub 2011 Dec 22. PMID: 22235230

Article Published Date : Jan 01, 2012

Authors : Naritsara Saenghong, Jintanaporn Wattanathorn, Supaporn Muchimapura, Terdthai Tongun, Nawanant Piyavhatkul, Chuleratana Banchonglikitkul, Tanwarat Kajsongkram

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cognitive Decline/Dysfunction : CK(3236) : AC(654)

Memory and cognition enhancing effects of combination of Melissa officinalis and Panax ginseng.

Pubmed Data : Pak J Pharm Sci. 2023 Sep ;36(5(Special)):1609-1618. PMID: 38008959

Article Published Date : Aug 31, 2023

Authors : Hira Afshan, Humera Khatoon, Aisha Aziz, Mariam Arefa, Sheikh Abdul Khaliq, Nausheen Alam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Lemon Balm : CK(299) : AC(61)
Diseases : Cognitive Decline/Dysfunction : CK(3236) : AC(654), Memory Disorders : CK(1067) : AC(339)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingiber officinale ameliorates Alzheimer's disease and Cognitive Impairments.

Pubmed Data : Biomed Pharmacother. 2021 Jan ;133:111088. Epub 2020 Dec 15. PMID: 33378982

Article Published Date : Dec 31, 2020

Authors : Marjan Talebi, Selen İlgün, Vida Ebrahimi, Mohsen Talebi, Tahereh Farkhondeh, Hadi Ebrahimi, Saeed Samarghandian

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Cognitive Decline/Dysfunction : CK(3236) : AC(654)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Colic (AC 1) (CK 1)

Ginger is useful in gastrointestinal disorders due to its spasmolytic activity.

Pubmed Data : Dig Dis Sci. 2005 Oct;50(10):1889-97. PMID: 16187193

Article Published Date : Oct 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colic : CK(196) : AC(25), Diarrhea : CK(910) : AC(145), Dyspepsia : CK(371) : AC(44)
Pharmacological Actions : Antispasmodic : CK(140) : AC(37)

Colitis (AC 4) (CK 8)

Anti-inflammatory and -apoptotic effects of a long-term herbal extract treatment on DSS-induced colitis.

Pubmed Data : Nutr Metab (Lond). 2021 Aug 11 ;18(1):77. Epub 2021 Aug 11. PMID: 34380504

Article Published Date : Aug 10, 2021

Authors : Fatemeh Azizian-Farsani, Marcin Osuchowski, Navid Abedpoor, Farzad Seyed Forootan, Maryam Derakhshan, Mohammad Hossein Nasr-Esfahani, Mohammad Hasan Sheikhha, Kamran Ghaedi

Study Type : Animal Study
Additional Links
Substances : Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Colitis : CK(840) : AC(406)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Anti-inflammatory effect and signaling mechanism of 8-shogaol and 10-shogaol in a dextran sodium sulfate-induced colitis.

Pubmed Data : Heliyon. 2023 Jan ;9(1):e12778. Epub 2023 Jan 5. PMID: 36647352

Article Published Date : Dec 31, 2022

Authors : Ha-Rim Kim, Eun-Mi Noh, Seon-Young Kim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colitis : CK(840) : AC(406)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger improved trinitrobenzene sulphonic acid-induced colitis via modulation of NF-κB activity and IL-1β signalling pathway.

Pubmed Data : Food Chem. 2013 Jan 1 ;136(1):170-7. Epub 2012 Aug 10. PMID: 23017409

Article Published Date : Dec 31, 2012

Authors : Chien-Yun Hsiang, Hsin-Yi Lo, Hui-Chi Huang, Chia-Cheng Li, Shih-Lu Wu, Tin-Yun Ho

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Colitis : CK(840) : AC(406)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

These findings suggested that Angelica sinensis and Zingiber officinale may be a promising supplement for current IBD therapy.

Pubmed Data : Int J Mol Sci. 2019 Aug 5 ;20(15). Epub 2019 Aug 5. PMID: 31387229

Article Published Date : Aug 04, 2019

Authors : Jia Liu, Ling Yu, Nuolan Mo, Hai Lan, Yan Zhang, Xin Liu, Qing Wu

Study Type : Animal Study
Additional Links

Substances : Angelica : CK(173) : AC(73), Ginger : CK(1514) : AC(444)
Diseases : Colitis : CK(840) : AC(406), Inflammatory Bowel Diseases : CK(1994) : AC(540)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Colon Cancer (AC 9) (CK 16)

6-gingerol a component of ginger is extensively metabolized in H-1299 human lung cancer cells.

Pubmed Data : J Agric Food Chem. 2012 Nov 14 ;60(45):11372-7. Epub 2012 Nov 6. PMID: 23066935

Article Published Date : Nov 13, 2012

Authors : Lishuang Lv, Huadong Chen, Dominique Soroka, Xiaoxin Chen, TinChung Leung, Shengmin Sang

Study Type : Animal Study, Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Carcinoma: Non-Small-Cell Lung : CK(264) : AC(161), Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032)
Additional Keywords : Biotransformation : CK(5) : AC(1), Plant Extracts : CK(14140) : AC(5210)

Ginger contains the compound zerumbone, which inhibits colon and lung carcinogenesis in mice.

Pubmed Data : Int J Cancer. 2009 Jan 15;124(2):264-71. PMID: 19003968

Article Published Date : Jan 15, 2009

Authors : Mihye Kim, Shingo Miyamoto, Yumiko Yasui, Takeru Oyama, Akira Murakami, Takuji Tanaka

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954), Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Kampo preparation Daikenchuto could be useful for cancer therapy.

Pubmed Data : J Nat Med. 2016 Apr 8. Epub 2016 Apr 8. PMID: 27059786

Article Published Date : Apr 07, 2016

Authors : Takuya Nagata, Kazufumi Toume, Lv Xiao Long, Katsuhisa Hirano, Toru Watanabe, Shinichi Sekine, Tomoyuki Okumura, Katsuko Komatsu, Kazuhiro Tsukada

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginseng : CK(2684) : AC(1192)
Diseases : Breast Cancer : CK(6327) : AC(2272), Colon Cancer : CK(1493) : AC(954), Esophageal Cancer : CK(805) : AC(190), Gastric Cancer : CK(1165) : AC(504)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

Metabolites of [6]-shogoal can account for the bioactivity of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: 23382939

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Colon Cancer : CK(1493) : AC(954), Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Metabolites : CK(64) : AC(20)

The combination of Gelam honey and ginger may serve as a potential therapy in the treatment of colorectal cancer.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(15):6549-56. PMID: **26434873**

Article Published Date : Dec 31, 2014

Authors : Lee Heng Wee, Noor Azian Morad, Goon Jo Aan, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Wnt/β-catenin signaling pathway modulation : CK(208) : AC(149)
Additional Keywords : Dose Response : CK(1712) : AC(683), Gene Expression Regulation : CK(1141) : AC(501), Plant Extracts : CK(14140) : AC(5210)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: **25889965**

Article Published Date : Dec 31, 2014

Authors : Analhuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Colon Cancer : CK(1493) : AC(954), Colorectal Cancer : CK(3666) : AC(1651), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance Synergy : CK(1094) : AC(506)

These results indicate that Zingiberene may inhibit the growth of colon cancer in vitro and in vivo.

Pubmed Data : J BUON. 2019 Jul-Aug;24(4):1470-1475. PMID: **31646793**

Article Published Date : Jun 30, 2019

Authors : Hai Chen, Xiaocheng Tang, Ting Liu, Liang Jing, Junhui Wu

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

This study showed the functions of shogaol as a sensitizing agent to induce cell death of TRAIL-resistant colon cancer cells.

Pubmed Data : Tumour Biol. 2015 Jun 11. Epub 2015 Jun 11. PMID: **26063410**

Article Published Date : Jun 10, 2015

Authors : Jung Soon Hwang, Hai-Chon Lee, Sang Cheul Oh, Dae-Hee Lee, Ki Han Kwon

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), Chemosensitizer : CK(1124) : AC(854), Survivin Down-Regulation : CK(15) : AC(13)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingerone could be considered as a good chemopreventive agent in experimental model of colon carcinogenesis.

Pubmed Data : Environ Toxicol. 2019 May ;34(5):610-625. Epub 2019 Feb 5. PMID: 30720227

Article Published Date : Apr 30, 2019

Authors : Majid Ahmad Ganaie, Abdulaziz Al Saeedan, Hassan Madhkali, Basit Lateef Jan, Tanvir Khatlani, Ishfaq Ahmad Sheikh, Muneeb U Rehman, Khalida Wani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Chemopreventive : CK(5374) : AC(1717)

Colon Surgery (AC 1) (CK 2)

These findings suggest that a hydro-alcoholic extract of ginger is a potentially novel therapeutic strategy for inhibiting adhesion formation.

Pubmed Data : Evid Based Complement Alternat Med. 2023 ;2023:4086631. Epub 2023 Feb 21. PMID: 36865747

Article Published Date : Dec 31, 2022

Authors : Roghayeh Yahyazadeh, Vafa Baradaran Rahimi, Seyed Ahmad Mohajeri, Milad Iranshahy, Ahmad Yahyazadeh, Maede Hasanpour, Mehrdad Iranshahi, Vahid Reza Askari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Abdominal Adhesions : CK(50) : AC(10), Colon Surgery : CK(31) : AC(8)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Glutathione Upregulation : CK(299) : AC(96), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Colorectal Cancer (AC 8) (CK 27)

Aromatherapy with light Thai massage can be beneficial for the immune systems of cancer patients who are undergoing

chemotherapy.

Pubmed Data : Asian Pac J Cancer Prev. 2013 ;14(6):3903-7. PMID: 23886205

Article Published Date : Dec 31, 2012

Authors : Santisith Khiewkhern, Supannee Promthet, Aemkhea Sukprasert, Wichai Eunhpinitpong, Peter Bradshaw

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Therapeutic Actions : Aromatherapy Massage : CK(281) : AC(28)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475)

Evaluation of antineoplasic activity of Zingiber officinale essential oil in the colorectal region.

Pubmed Data : Asian Pac J Cancer Prev. 2020 Jul 1 ;21(7):2141-2147. Epub 2020 Jul 1. PMID: 32711443

Article Published Date : Jun 30, 2020

Authors : Daniel Augusto Nunes De Lima, Brenda Barroso Pelegrini, Felipe Alexandre Alves Uechi, Raíssa Coracini Varago, Bruno Bueno Pimenta, Alice Maria De Souza Kaneshima, Edilson Nobuyoshi Kaneshima, Paola Da Costa Souza, Raíssa Bocchi Pedroso, Thaís Gomes Verzignassi Silveira, Tânia Cristina Alexandrino Becker

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Fermented ginger extract reduces the NF-kB-mediated activation of CXCR4 and enhances oxaliplatin-induced cytotoxicity in oxaliplatin-resistant CRC cells.

Pubmed Data : Antioxidants (Basel). 2022 Oct 19 ;11(10). Epub 2022 Oct 19. PMID: 36290780

Article Published Date : Oct 18, 2022

Authors : Ko-Chao Lee, Kuen-Lin Wu, Shun-Fu Chang, Hsin-I Chang, Cheng-Nan Chen, Yih-Yuan Chen

Study Type : In Vitro Study
Additional Links
Substances : Fermented Foods and Beverages : CK(2588) : AC(607), Ginger : CK(1514) : AC(444)
Diseases : Cancers: Drug Resistant : CK(715) : AC(493), Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemosensitizer : CK(1124) : AC(854), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Chemotherapeutic Synergy: Oxaliplatin : CK(12) : AC(9)

Ginger may have an inhibitory effect on colorectal cancer-associated taxa.

Pubmed Data : Sci Rep. 2024 Feb 5 ;14(1):2988. Epub 2024 Feb 5. PMID: 38316805

Article Published Date : Feb 04, 2024

Authors : Ajay Prakash, Nathan Rubin, Christopher Staley, Guillaume Onyeaghala, Ya-Feng Wen, Aasma Shaukat, Ginger Milne, Robert J Straka, Timothy R Church, Anna Prizment

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)

Hexahydrocurcumin has a cytotoxic effect against human colorectal

cancer cells.

Pubmed Data : Nat Prod Commun. 2011 Nov ;6(11):1671-2. PMID: 22224285

Article Published Date : Nov 01, 2011

Authors : Chung-Yi Chen, Woei-Ling Yang, Soong-Yu Kuo

Study Type : In Vitro Study
Additional Links
Substances : Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Cell cycle arrest : CK(1678) : AC(1348)

Synergistic apoptotic effects of ethanolic extracts of ginger and Ganoderma lucidum in a colorectal cancer cell line.

Pubmed Data : Biotech Histochem. 2023 Nov ;98(5):353-359. Epub 2023 Mar 27. PMID: 36970755

Article Published Date : Oct 31, 2023

Authors : Amir Mohammad Saeedifar, Ali Ghazavi, Ghasem Mosayebi, Ali Ganji

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Reishi Mushroom : CK(406) : AC(202)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506)

Synergistic evaluation of ginger and licorice extracts in a mouse model of colorectal cancer.

Pubmed Data : Nutr Cancer. 2020 Jun 25:1-11. Epub 2020 Jun 25. PMID: 32586136

Article Published Date : Jun 24, 2020

Authors : Amir Mohammad Saeedifar, Ghasem Mosayebi, Ali Ghazavi, Ali Ganji

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Licorice : CK(697) : AC(305)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: 25889965

Article Published Date : Dec 31, 2014

Authors : Analhuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Colon Cancer : CK(1493) : AC(954), Colorectal Cancer : CK(3666) : AC(1651), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance Synergy : CK(1094) : AC(506)

Coronavirus Disease (AC 1) (CK 1)

Promising roles of Zingiber officinale roscoe, Curcuma longa L., and Momordica charantia L. as immunity modulators against COVID-19.

Pubmed Data : J Agric Food Res. 2023 Dec ;14:100680. Epub 2023 Jun 12. PMID: 37346755

Article Published Date : Nov 30, 2023

Authors : Hassan I Sheikh, Nor Hafizah Zakaria, Fadzilah Adibah Abdul Majid, Fatihah Zamzuri, Anis Fadhlina, Muhammad Afnan Shakir Hairani

Study Type : Review
Additional Links
Substances : Bitter Melon : CK(411) : AC(166), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Coronavirus Disease : CK(309) : AC(106)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Antiviral Agents : CK(1957) : AC(1034)

Coronavirus Infection (AC 11) (CK 31)

Ashwagandha and Shunthi in mild and moderate COVID-19.

Pubmed Data : Complement Ther Med. 2023 Sep ;76:102966. Epub 2023 Jul 22. PMID: 37482107

Article Published Date : Aug 31, 2023

Authors : Harbans Singh, Babita Yadav, Amit K Rai, Sumit Srivastava, Ajv Saiprasad, Sophia Jameela, Richa Singhal, Sanuj Muralidharan, Rijin Mohan, Shikha Chaudhary, Rakesh Rana, Shruti Khanduri, Bhagwan S Sharma, Bhogavalli Chandrasekhararao, Narayanam Srikanth, Kartar S Dhiman

Study Type : Human Study
Additional Links
Substances : Ashwagandha : CK(418) : AC(173), Ginger : CK(1514) : AC(444)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Ayurvedic polyherbal formulation in moderate SARS-CoV-2 infections and its impact on inflammatory biomarkers.

Pubmed Data : Phytother Res. 2022 Nov 23. Epub 2022 Nov 23. PMID: 36419388

Article Published Date : Nov 22, 2022

Authors : Deepa Chitre, Satej Nadkarni, Namdev Jagtap, Rahul Tulle, Amol Gitte, Prashant Rahate, Sunetra Chaskar, Debendranath Dey

Study Type : In Vitro Study
Additional Links
Substances : Ashwagandha : CK(418) : AC(173), Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Can an anti-inflammatory diet be effective in preventing or treating viral respiratory diseases?

Pubmed Data : Clin Nutr ESPEN. 2021 06 ;43:9-15. Epub 2021 Apr 24. PMID: 34024569

Article Published Date : Dec 31, 2020

Authors : Farhad Vahid, Diana Rahmani

Study Type : Review
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Omega-3 Fatty Acids : CK(4672) : AC(633), Onion : CK(420) : AC(124), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Adenoviridae Infections : CK(14) : AC(14), Coronavirus Infection : CK(1230) : AC(410), Inflammation : CK(9572) : AC(3089), Influenza : CK(1407) : AC(288), Rhinovirus Infection : CK(83) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Herbal plants as immunity modulators against COVID-19.

Pubmed Data : J Herb Med. 2021 Aug 5:100501. Epub 2021 Aug 5. PMID: **34377631**

Article Published Date : Aug 04, 2021

Authors : Kuntal Das

Study Type : Review
Additional Links
Substances : Aloe Vera : CK(725) : AC(189), Ashwagandha : CK(418) : AC(173), Black Pepper : CK(714) : AC(307), Broccoli : CK(1954) : AC(692), Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Holy Basil : CK(203) : AC(78), Licorice : CK(697) : AC(305), Moringa oleifera : CK(460) : AC(245), Neem : CK(193) : AC(83), Turmeric : CK(7078) : AC(3169)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475)

Herbal supplement (Combi-5) in the management of COVID 19 individual with mild to moderate symptoms: a case report.

Pubmed Data : J Complement Integr Med. 2021 May 7. Epub 2021 May 7. PMID: **33962499**

Article Published Date : May 06, 2021

Authors : Augustine Anayochukwu Onyeaghala, Emmanuella Ogechi Onyeaghala, Chinedum Peace Babalola, Oluwasanmi Olayinka Aina, Dadik Jelpe

Study Type : Human: Case Report
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169), Vitamin C : CK(4687) : AC(1149), Zinc : CK(1486) : AC(267)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Identification of potential inhibitors of SARS-CoV-2 main protease and spike receptor from 10 important spices.

Pubmed Data : J Biomol Struct Dyn. 2020 Sep 18:1-22. Epub 2020 Sep 18. PMID: **32948116**

Article Published Date : Sep 17, 2020

Authors : Debanjan Sen, Pradip Debnath, Bimal Debnath, Samhita Bhaumik, Sudhan Debnath

Study Type : In Vitro Study
Additional Links
Substances : Chili pepper : CK(66) : AC(19), Fenugreek : CK(648) : AC(151), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Onion : CK(420) : AC(124), Peppermint : CK(430) : AC(74)
Diseases : Coronavirus Infection : CK(1230) : AC(410)

Immunomodulatory role and potential utility of various nutrients and dietary components in SARS-CoV-2 infection.

Pubmed Data : Int J Vitam Nutr Res. 2021 Jun 8:1-14. Epub 2021 Jun 8. PMID: **34100300**

Article Published Date : Jun 07, 2021

Authors : Muhammad Osama Yaseen, Humzah Jamshaid, Arifa Saif, Talib Hussain

Study Type : Review
Additional Links
Substances : Elderberry : CK(197) : AC(74), Fruit: All : CK(7227) : AC(1679), Ginger : CK(1514) : AC(444), Probiotics : CK(7680) : AC(1196), Selenium : CK(1322) : AC(290), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antiviral Agents : CK(1957) : AC(1034), Immunomodulatory : CK(4048) : AC(1475)

Mechanistic aspects of medicinal plants and secondary metabolites against severe acute respiratory syndrome coronavirus 2.

Pubmed Data : Curr Pharm Des. 2021 ;27(38):3996-4007. PMID: **34225607**

Article Published Date : Dec 31, 2020

Authors : Khojasteh Malekmohammad, Mahmoud Rafieian-Kopaei

Study Type : Review
Additional Links
Substances : Ashwagandha : CK(418) : AC(173), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Guduchi : CK(93) : AC(21), Holy Basil : CK(203) : AC(78), Licorice : CK(697) : AC(305), Nigella sativa (aka Black Seed) : CK(1815) : AC(478)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Natural products for COVID-19 prevention and treatment regarding to previous coronavirus infections and novel studies.

Pubmed Data : Phytother Res. 2020 Sep 27. Epub 2020 Sep 27. PMID: **32985017**

Article Published Date : Sep 26, 2020

Authors : Motahareh Boozari, Hossein Hosseinzadeh

Study Type : Review
Additional Links
Substances : Echinacea : CK(838) : AC(218), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Licorice : CK(697) : AC(305), Nigella sativa (aka Black Seed) : CK(1815) : AC(478), St. Johns Wort : CK(322) : AC(101)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475)

The effects of combination of Zingiber officinale and Echinacea on alleviation of clinical symptoms and hospitalization rate of suspected COVID-19 outpatients.

Pubmed Data : J Complement Integr Med. 2021 Mar 31. Epub 2021 Mar 31. PMID: **33787192**

Article Published Date : Mar 30, 2021

Authors : Mehdi Mesri, Seied Saeid Esmaeili Saber, Mohammadreza Godazi, Aboulfazl Roustaei Shirdel, Reza Montazer, Hamid Reza Koohestani, Nayereh Baghcheghi, Mahmood Karimy, Nemat Azizi

Study Type : Human Study
Additional Links
Substances : Echinacea : CK(838) : AC(218), Ginger : CK(1514) : AC(444)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

This study intends to provide reference for clinical use of traditional Chinese medicine to resist new coronavirus.

Pubmed Data : Zhongguo Zhong Yao Za Zhi. 2020 Mar ;45(6):1225-1231. PMID: **32281329**

Article Published Date : Feb 29, 2020

Authors : Yue Ren, Mei-Cun Yao, Xiao-Qian Huo, Yu Gu, Wei-Xing Zhu, Yan-Jiang Qiao, Yan-Ling Zhang

Study Type : In Vitro Study

Additional Links
Substances : Burdock : CK(186) : AC(99), Ginger : CK(1514) : AC(444), Ginseng : CK(2684) : AC(1192), Honeysuckle : CK(127) : AC(87), Magnolia : CK(82) : AC(34), Salvia miltiorrhiza : CK(2) : AC(1)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Cytokine Modulation : CK(50) : AC(18), Cytokine Storm : CK(5) : AC(4)

Cryptosporidiosis (AC 1) (CK 2)

The potential therapeutic effect of Nigella sativa and Zingiber officinale extracts versus Nitazoxanide drug against experimentally induced cryptosporidiosis.

Pubmed Data : J Parasit Dis. 2023 Jun ;47(2):329-339. Epub 2023 Mar 25. PMID: 37193490

Article Published Date : May 31, 2023

Authors : Samah Hassan Yahia, Reda Lamei El Gamal, Ghada Mahmoud Fathy, Asmaa Mohammed Farouk Al-Ghandour, Nadia El-Akabawy, Basma Hosny Abdel-Hameed, Enas Saed Elbahaie

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Nigella sativa (aka Black Seed) : CK(1815) : AC(478)
Diseases : Cryptosporidiosis : CK(2) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Cytomegalovirus Infections (AC 1) (CK 2)

Various extracts of ginger inhibit Cytomegalovirus, HSV-1, and HIV virus.

Pubmed Data : Pharmazie. 2006 Aug;61(8):717-21. PMID: 16964717

Article Published Date : Aug 01, 2006

Authors : K Sookkongwaree, M Geitmann, S Roengsumran, A Petsom, U H Danielson

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cytomegalovirus Infections : CK(123) : AC(47), HIV Infections : CK(1055) : AC(347), HSV-1 : CK(54) : AC(45)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

DNA damage (AC 3) (CK 4)

This study demonstrates the protective effect of zingerone against radiation induced DNA damage and antiapoptotic effect in human lymphocytes.

Pubmed Data : Eur J Pharmacol. 2011 Apr 25 ;657(1-3):59-66. Epub 2011 Feb 16. PMID: 21335001

Article Published Date : Apr 24, 2011

Authors : Bhuvanagiri Nageshwar Rao, Parampalli Raghavendra Archana, Balkudru Kiran Aithal, Bola Sadashiva Satish Rao

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : DNA damage : CK(1997) : AC(713), Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Radioprotective : CK(1668) : AC(521)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: 28442378

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Alcoholic Liver Disease : CK(389) : AC(168), DNA damage : CK(1997) : AC(713)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Bcl-2 protein down-regulation : CK(553) : AC(407), Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)

Zingerone protects against stannous chloride-induced and hydrogen peroxide-induced oxidative DNA damage.

Pubmed Data : Biol Trace Elem Res. 2013 Dec ;155(3):455-9. Epub 2013 Sep 5. PMID: 24006104

Article Published Date : Nov 30, 2013

Authors : Iyappan Rajan, Nithya Narayanan, Remitha Rabindran, P R Jayasree, P R Manish Kumar

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : DNA damage : CK(1997) : AC(713)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Genoprotective : CK(477) : AC(177)

Delayed Gastric Emptying (AC 1) (CK 10)

A standardized extract of ginger and artichoke significantly promoted gastric emptying in healthy volunteers.

Pubmed Data : Eur Rev Med Pharmacol Sci. 2016 Jan ;20(1):146-9. PMID: 26813467

Article Published Date : Dec 31, 2015

Authors : S Lazzini, W Polinelli, A Riva, P Morazzoni, E Bombardelli

Study Type : Human Study
Additional Links

Substances : Artichoke : CK(398) : AC(85), Ginger : CK(1514) : AC(444)
Diseases : Delayed Gastric Emptying : CK(107) : AC(13)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Dementia (AC 2) (CK 2)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: 20211236

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Aging : CK(3728) : AC(933), Cancers: All : CK(28241) : AC(10590), Cardiovascular Diseases : CK(12780) : AC(1983), Dementia : CK(1689) : AC(279), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Possible role of common spices as a preventive and therapeutic agent for Alzheimer's disease.

Pubmed Data : Int J Prev Med. 2017 ;8:5. Epub 2017 Feb 7. PMID: 28250905

Article Published Date : Dec 31, 2016

Authors : Omid Mirmosayyeb, Amirpouya Tanhaei, Hamid R Sohrabi, Ralph N Martins, Mana Tanhaei, Mohammad Amin Najafi, Ali Safaei, Rokhsareh Meamar

Study Type : Review
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Culinary Herbs and Spices : CK(11065) : AC(3218), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Dementia : CK(1689) : AC(279)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Depression (AC 2) (CK 4)

Antidepressant-like effect of dehydrozingerone from Zingiber officinale by elevating monoamines in brain: in silico and in vivo studies.

Pubmed Data : Pharmacol Rep. 2021 Jun 28. Epub 2021 Jun 28. PMID: 34181212

Article Published Date : Jun 27, 2021

Authors : Sudheer Moorkoth, N Sai Prathyusha, Suman Manandhar, Yuanxin Xue, Runali Sankhe, K S R Pai, Nitesh Kumar

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Depression : CK(6233) : AC(1096)
Pharmacological Actions : Antidepressive Agents : CK(4882) : AC(874)

Zingiber officinale ethanolic extract attenuated reserpine-induced depression.

Pubmed Data : J Exp Pharmacol. 2020 ;12:439-446. Epub 2020 Nov 2. PMID: 33173355

Article Published Date : Dec 31, 2019

Authors : John Afees Olanrewaju, Joshua Oladele Owolabi, Ifedamola Patience Awodein, Joseph Igbo Enya, Stephen Taiye Adelodun, Sunday Yinka Olatunji, Sunday Oluwaseyi Fabiyi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Depression : CK(6233) : AC(1096)
Pharmacological Actions : Antidepressive Agents : CK(4882) : AC(874)
Problem Substances : Prescription Drugs : CK(43) : AC(4)

Diabetes Mellitus: Type 1 (AC 5) (CK 26)

Ameliorative Potentials of Ginger (Z. officinale Roscoe) on Relative Organ Weights in Streptozotocin induced Diabetic Rats.

Pubmed Data : Int J Biomed Sci. 2013 Jun ;9(2):82-90. PMID: 23847458

Article Published Date : May 31, 2013

Authors : C O Eleazu, M Iroaganachi, P N Okafor, I I Ijeh, K C Eleazu

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Kidney Function : CK(84) : AC(27), Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetic Glomerular Hypertrophy : CK(2) : AC(1)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)

Ginger has anti-diabetic and lipid lowering properties in an animal model of type 1 diabetes.

Pubmed Data : Br J Nutr. 2006 Oct;96(4):660-6. PMID: 17010224

Article Published Date : Oct 01, 2006

Authors : Zainab M Al-Amin, Martha Thomson, Khaled K Al-Qattan, Riitta Peltonen-Shalaby, Muslim Ali

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Cardiovascular Illness : CK(707) : AC(111), Diabetes Mellitus: Type 1 : CK(1605) : AC(471)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger is an aldose reductase inhibitor which may have contribute to the protection against diabetic complications.

Pubmed Data : J Agric Food Chem. 2006 Sep 6;54(18):6640-4. PMID: 16939321

Article Published Date : Sep 06, 2006

Authors : Atsushi Kato, Yasuko Higuchi, Hirozo Goto, Haruhisa Kizu, Tadashi Okamoto, Naoki Asano, Jackie Hollinshead, Robert J Nash, Isao Adachi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Aldose reductase inhibitor : CK(32) : AC(9)

Ginger root extract improves GI health in diabetic rats.

Pubmed Data : Nutrients. 2022 Oct 19 ;14(20). Epub 2022 Oct 19. PMID: 36297069

Article Published Date : Oct 18, 2022

Authors : Rui Wang, Julianna Maria Santos, Jannette M Dufour, Emily R Stephens, Jonathan M Miranda, Rachel L Washburn, Taylor Hibler, Gurvinder Kaur, Dingbo Lin, Chwan-Li Shen

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger supplementation is an effective treatment for type 2 diabetes.

Pubmed Data : Int J Food Sci Nutr. 2014 Feb 4. Epub 2014 Feb 4. PMID: 24490949

Article Published Date : Feb 03, 2014

Authors : Tahereh Arablou, Naheed Aryaeian, Majid Valizadeh, Faranak Sharifi, Aghafatemeh Hosseini, Mahmoud Djalali

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetes Mellitus: Type 1: Prevention : CK(320) : AC(75), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148)
Pharmacological Actions : Aldose reductase inhibitor : CK(32) : AC(9)

Diabetes Mellitus: Type 1: Prevention (AC 2) (CK 12)

Anti-diabetic activity of Zingiber officinale in streptozotocin-induced type I diabetic rats.

Pubmed Data : J Pharm Pharmacol. 2004 Jan ;56(1):101-5. PMID: 14980006

Article Published Date : Dec 31, 2003

Authors : Sanjay P Akhani, Santosh L Vishwakarma, Ramesh K Goyal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1: Prevention : CK(320) : AC(75), Hypertension : CK(6384) : AC(950)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin-releasing : CK(122) : AC(49)
Additional Keywords : Phytotherapy : CK(3062) : AC(812)
Problem Substances : Insulin : CK(384) : AC(68)

Ginger supplementation is an effective treatment for type 2 diabetes.

Pubmed Data : Int J Food Sci Nutr. 2014 Feb 4. Epub 2014 Feb 4. PMID: 24490949

Article Published Date : Feb 03, 2014

Authors : Tahereh Arablou, Naheed Aryaeian, Majid Valizadeh, Faranak Sharifi, Aghafatemeh Hosseini, Mahmoud Djalali

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetes Mellitus: Type 1: Prevention : CK(320) : AC(75), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148)
Pharmacological Actions : Aldose reductase inhibitor : CK(32) : AC(9)

Diabetes Mellitus: Type 2 (AC 22) (CK 111)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: 25719344

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148), Hyperglycemia : CK(1494) : AC(453), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)

Clove and fermented ginger supplementation possesses anti-diabetic properties and may help in the control of hyperleptinaemia in type 2 diabetes.

Pubmed Data : Niger J Physiol Sci. 2018 Jun 30 ;33(1):89-93. Epub 2018 Jun 30. PMID: 30091738

Article Published Date : Jun 29, 2018

Authors : A Abdulrazak, Y Tanko, A Mohammed, K A Mohammed, N M Sada, A Au Dikko

Study Type : Animal Study
Additional Links
Substances : Clove : CK(177) : AC(99), Fermented Foods and Beverages : CK(2588) : AC(607), Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Leptin: Elevated Levels : CK(36) : AC(14)
Pharmacological Actions : Leptin Down-Regulation : CK(23) : AC(8)

Comparison of the effect of ginger and aloe vera mouthwashes on xerostomia in patients with type 2 diabetes.

Pubmed Data : Med Oral Patol Oral Cir Bucal. 2021 Jul 1 ;26(4):e408-e413. Epub 2021 Jul 1. PMID: 34162822

Article Published Date : Jun 30, 2021

Authors : F Badooei, E Imani, S Hosseini-Teshnizi, M Banar, M Memarzade

Study Type : Human Study
Additional Links
Substances : Aloe Vera : CK(725) : AC(189), Ginger : CK(1514) : AC(444)

Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Xerostomia : CK(41) : AC(5)

Dietary garlic and especially ginger have anti-diabetic effects.

Pubmed Data : J Med Food. 2008 Mar;11(1):152-9. PMID: 18361751

Article Published Date : Mar 01, 2008

Authors : Md Shahidul Islam, Haymie Choi

Study Type : Animal Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Insulin-releasing : CK(122) : AC(49)
Additional Keywords : Insulinotrophic : CK(2) : AC(1)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: 22314994

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Insulin Resistance : CK(3522) : AC(792), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15)

Evaluation of the antidiabetic potential of extracts of Urtica dioica, Apium graveolens, and Zingiber officinale.

Pubmed Data : Plants (Basel). 2021 Jul 14 ;10(7). Epub 2021 Jul 14. PMID: 34371645

Article Published Date : Jul 13, 2021

Authors : Rosa Martha Pérez Gutiérrez, Alethia Muñiz-Ramirez, Abraham Heriberto Garcia-Campoy, José María Mota Flores

Study Type : Animal Study
Additional Links
Substances : Celery : CK(138) : AC(60), Ginger : CK(1514) : AC(444), Nettle : CK(274) : AC(109)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)

Ginger as a nutraceutical: Focus on the metabolic, analgesic, and antiinflammatory effects.

Pubmed Data : Phytother Res. 2020 Dec 5. Epub 2020 Dec 5. PMID: 33278054

Article Published Date : Dec 04, 2020

Authors : Ester Pagano, Eliana B Souto, Alessandra Durazzo, Javad Sharifi-Rad, Massimo Lucarini, Selma B Souto, Bahare Salehi, Wissam Zam, Vittorino Montanaro, Giuseppe Lucariello, Angelo A Izzo, Antonello Santini, Barbara Romano

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Dysmenorrhea : CK(692) : AC(71), Hyperlipidemia : CK(1569) : AC(402), Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger extract might be considered as an alternative therapeutic

strategy in the management of overweight and hepatic and metabolic alterations.

Pubmed Data : Appl Physiol Nutr Metab. 2017 Feb ;42(2):209-215. Epub 2016 Nov 2. PMID: 28125276

Article Published Date : Jan 31, 2017

Authors : Natalia de Las Heras, María Valero-Muñoz, Beatriz Martín-Fernández, Sandra Ballesteros, Antonio López-Farré, Baltasar Ruiz-Roso, Vicente Lahera

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Hyperlipidemia : CK(1569) : AC(402), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger has a beneficial effect on type 2 diabetics.

Pubmed Data : Int J Food Sci Nutr. 2013 Mar 18. Epub 2013 Mar 18. PMID: 23496212

Article Published Date : Mar 17, 2013

Authors : Sepide Mahluji, Vahide Ebrahimzade Attari, Majid Mobasseri, Laleh Payahoo, Alireza Ostadrahimi, Samad Ej Golzari

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Insulin Sensitizers : CK(1185) : AC(244)

Ginger is an aldose reductase inhibitor which may have contribute to the protection against diabetic complications.

Pubmed Data : J Agric Food Chem. 2006 Sep 6;54(18):6640-4. PMID: 16939321

Article Published Date : Sep 06, 2006

Authors : Atsushi Kato, Yasuko Higuchi, Hirozo Goto, Haruhisa Kizu, Tadashi Okamoto, Naoki Asano, Jackie Hollinshead, Robert J Nash, Isao Adachi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Aldose reductase inhibitor : CK(32) : AC(9)

Ginger may nave a preventive and therapeutic effect in diabetes and its complications.

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:516870. Epub 2012 Nov 22. PMID: 23243452

Article Published Date : Dec 31, 2011

Authors : Yiming Li, Van H Tran, Colin C Duke, Basil D Roufogalis

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)

Ginger supplement along with NSPT may be effective in the improvement of inflammation, oxidative, and periodontal status in T2DM with chronic periodontitis.

Pubmed Data : Diabetes Metab Syndr Obes. 2019 ;12:1751-1761. Epub 2019 Sep 6. PMID: 32021341

Article Published Date : Dec 31, 2018

Authors : Ahmad Zare Javid, Hadi Bazyar, Hasan Gholinezhad, Mehran Rahimlou, Homeira Rashidi, Parvin Salehi, Mohammad Hosein Haghighi-Zadeh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550), Periodontitis : CK(378) : AC(98)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Ginger supplementation is an effective treatment for type 2 diabetes.

Pubmed Data : Int J Food Sci Nutr. 2014 Feb 4. Epub 2014 Feb 4. PMID: 24490949

Article Published Date : Feb 03, 2014

Authors : Tahereh Arablou, Naheed Aryaeian, Majid Valizadeh, Faranak Sharifi, Aghafatemeh Hosseini, Mahmoud Djalali

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetes Mellitus: Type 1: Prevention : CK(320) : AC(75), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148)
Pharmacological Actions : Aldose reductase inhibitor : CK(32) : AC(9)

Green tea and ginger extracts have a significant hypoglycemic effect in diabetic rabbits.

Pubmed Data : Acta Pol Pharm. 2015 May-Jun;72(3):497-506. PMID: 26642658

Article Published Date : Apr 30, 2015

Authors : Ahmed Elkirdasy, Saad Shousha, Abdulmohsen H Alrohaimi, M Faiz Arshad

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Inflammatory activities in type 2 diabetes patients With co-morbid angiopathies and exploring beneficial interventions

Pubmed Data : Front Public Health. 2020 ;8:600427. Epub 2021 Jan 25. PMID: 33569370

Article Published Date : Dec 31, 2019

Authors : Martin C Nwadiugwu

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Hesperidin : CK(545) : AC(215)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Suppression of inflamm-aging by Moringa oleifera and Zingiber officinale in the prevention of degenerative diseases.

Pubmed Data : Molecules. 2023 Aug 3 ;28(15). Epub 2023 Aug 3. PMID: 37570837

Article Published Date : Aug 02, 2023

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Moringa oleifera : CK(460) : AC(245)
Diseases : Aging : CK(3728) : AC(933), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089),

Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

The effect of ginger powder supplementation on insulin resistance and glycemic indices in patients with type 2 diabetes: A randomized, double-blind, placebo-controlled trial.

Pubmed Data : Complement Ther Med. 2014 Feb ;22(1):9-16. Epub 2014 Jan 8. PMID: **24559810**

Article Published Date : Jan 31, 2014

Authors : Hassan Mozaffari-Khosravi, Behrouz Talaei, Beman-Ali Jalali, Azadeh Najarzadeh, Mohammad Reza Mozayan

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)

The herbal remedies examined had significantly beneficial effects on cholesterol in T2D patients.

Pubmed Data : Rev Diabet Stud. 2014 Fall-Winter;11(3-4):258-66. Epub 2015 Feb 10. PMID: **26177486**

Article Published Date : Aug 31, 2014

Authors : Paria Azimi, Reza Ghiasvand, Awat Feizi, Mitra Hariri, Behnoud Abbasi

Study Type : Human Study
Additional Links
Substances : Cardamom : CK(42) : AC(11), Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), High Cholesterol : CK(2715) : AC(455)
Pharmacological Actions : Anticholesteremic Agents : CK(3078) : AC(530)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

The role of mTOR and oral intervention of combined Zingiber officinale-Terminalia chebula extract in type 2 diabetes models.

Pubmed Data : J Food Biochem. 2020 Jul ;44(7):e13250. Epub 2020 May 27. PMID: **32462682**

Article Published Date : Jun 30, 2020

Authors : Jayasindu Mathiyazhagan, Gothandam Kodiveri Muthukaliannan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)

The use of ginger can help in the treatment of people with diabetes.

Pubmed Data : Rev Lat Am Enfermagem. 2020 ;28:e3369. Epub 2020 Oct 9. PMID: **33053078**

Article Published Date : Dec 31, 2019

Authors : Gerdane Celene Nunes Carvalho, José Claudio Garcia Lira-Neto, Márcio Flávio Moura de Araújo, Roberto Wagner Júnior Freire de Freitas, Maria Lúcia Zanetti, Marta Maria Coelho Damasceno

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Anticholesteremic Agents : CK(3078) : AC(530), Hypoglycemic Agents : CK(5366) : AC(1338)

Zingiber officinale, Phyllanthus emblica, Cinnamomum verum, and Curcuma longa to prevent type 2 diabetes.

Pubmed Data : Curr Diabetes Rev. 2022 Nov 24. Epub 2022 Nov 24. PMID: 36424773

Article Published Date : Nov 23, 2022

Authors : Uththara Subodhini Wijewardhana, Madhura Arunoda Jayasinghe, Isuru Wijesekara, K K D S Ranaweera

Study Type : Review
Additional Links
Substances : Amla Fruit : CK(238) : AC(84), Cinnamon : CK(665) : AC(196), Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)

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zingerone modulates hyperglycaemia, hyperlipidaemia, oxidative biochemical markers and degenerative changes in β-cells of treated diabetic groups.

Pubmed Data : Arch Physiol Biochem. 2019 Aug 7:1-7. Epub 2019 Aug 7. PMID: 31389247

Article Published Date : Aug 06, 2019

Authors : Tarique Anwer, Zafar Ali Alkarbi, Ali Hassan Najmi, Saeed Alshahrani, Rahimullah Siddiqui, Gyas Khan, Mohammad Firoz Alam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)

Diabetes Mellitus: Type 2: Prevention (AC 3) (CK 30)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: 25719344

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148), Hyperglycemia : CK(1494) : AC(453), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)

Ginger supplementation is an effective treatment for type 2 diabetes.

Pubmed Data : Int J Food Sci Nutr. 2014 Feb 4. Epub 2014 Feb 4. PMID: 24490949

Article Published Date : Feb 03, 2014

Authors : Tahereh Arablou, Naheed Aryaeian, Majid Valizadeh, Faranak Sharifi, Aghafatemeh Hosseini, Mahmoud Djalali

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetes Mellitus: Type 1: Prevention : CK(320) : AC(75), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148)
Pharmacological Actions : Aldose reductase inhibitor : CK(32) : AC(9)

The effect of ginger powder supplementation on insulin resistance and glycemic indices in patients with type 2 diabetes: A randomized, double-blind, placebo-controlled trial.

Pubmed Data : Complement Ther Med. 2014 Feb ;22(1):9-16. Epub 2014 Jan 8. PMID: **24559810**

Article Published Date : Jan 31, 2014

Authors : Hassan Mozaffari-Khosravi, Behrouz Talaei, Beman-Ali Jalali, Azadeh Najarzadeh, Mohammad Reza Mozayan

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)

Diabetes: Cardiovascular Illness (AC 3) (CK 6)

6-gingerol alleviates ferroptosis and inflammation of diabetic cardiomyopathy.

Pubmed Data : Oxid Med Cell Longev. 2022 ;2022:3027514. Epub 2022 Dec 31. PMID: **36624878**

Article Published Date : Dec 31, 2021

Authors : Shenglin Wu, Jinxiu Zhu, Guihai Wu, Zuoqi Hu, Pengxiang Ying, Zhijun Bao, Zipeng Ding, Xuerui Tan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetes: Cardiovascular Illness : CK(707) : AC(111)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Heme oxygenase-1 up-regulation : CK(624) : AC(373), Nrf2 activation : CK(1584) : AC(916)

Ginger has a protective effect against dyslipidemia in diabetic rats.

Pubmed Data : J Ethnopharmacol. 2005 Feb 28;97(2):227-30. PMID: **15707757**

Article Published Date : Feb 28, 2005

Authors : Uma Bhandari, Raman Kanojia, K K Pillai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cholesterol: LDL/HDL ratio : CK(556) : AC(67), Diabetes: Cardiovascular Illness : CK(707) : AC(111), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger has anti-diabetic and lipid lowering properties in an animal model of type 1 diabetes.

Pubmed Data : Br J Nutr. 2006 Oct;96(4):660-6. PMID: 17010224

Article Published Date : Oct 01, 2006

Authors : Zainab M Al-Amin, Martha Thomson, Khaled K Al-Qattan, Riitta Peltonen-Shalaby, Muslim Ali

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Cardiovascular Illness : CK(707) : AC(111), Diabetes Mellitus: Type 1 : CK(1605) : AC(471)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Diabetes: Cognitive Dysfunction (AC 1) (CK 2)

Ginger has a neuroprotective effect in diabetic rats.

Pubmed Data : Food Chem Toxicol. 2010 Dec 22. Epub 2010 Dec 22. PMID: 21184796

Article Published Date : Dec 22, 2010

Authors : Kondeti Ramudu Shanmugam, Korivi Mallikarjuna, Nishanth Kesireddy, Kesireddy Sathyavelu Reddy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Cognitive Dysfunction : CK(167) : AC(76)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Diabetes: Glycation/A1C (AC 2) (CK 20)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: 25719344

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148), Hyperglycemia : CK(1494) : AC(453), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)

The effect of ginger powder supplementation on insulin resistance and glycemic indices in patients with type 2 diabetes: A randomized, double-blind, placebo-controlled trial.

Pubmed Data : Complement Ther Med. 2014 Feb ;22(1):9-16. Epub 2014 Jan 8. PMID: 24559810

Article Published Date : Jan 31, 2014

Authors : Hassan Mozaffari-Khosravi, Behrouz Talaei, Beman-Ali Jalali, Azadeh Najarzadeh, Mohammad Reza Mozayan

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)

Diabetes: Kidney Function (AC 2) (CK 4)

Ameliorative Potentials of Ginger (Z. officinale Roscoe) on Relative Organ Weights in Streptozotocin induced Diabetic Rats.

Pubmed Data : Int J Biomed Sci. 2013 Jun ;9(2):82-90. PMID: 23847458

Article Published Date : May 31, 2013

Authors : C O Eleazu, M Iroaganachi, P N Okafor, I I Ijeh, K C Eleazu

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Kidney Function : CK(84) : AC(27), Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetic Glomerular Hypertrophy : CK(2) : AC(1)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)

Ginger has a protective effect against kidney damage associated with diabetes.

Pubmed Data : Chin J Physiol. 2011 Apr 30 ;54(2):79-86. PMID: 21789888

Article Published Date : Apr 30, 2011

Authors : Shanmugam Kondeti Ramudu, Mallikarjuna Korivi, Nishanth Kesireddy, Li-Chen Lee, I-Shiung Cheng, Chia-Hua Kuo, Sathyavelu Reddy Kesireddy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Kidney Function : CK(84) : AC(27), Kidney Damage : CK(458) : AC(200)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Diabetes: Oxidative Stress (AC 5) (CK 10)

A combined extract of purple waxy corn and ginger improves neuropathy, oxidative Stress, and axon density in streptozotocin induced diabetic rats.

Pubmed Data : Evid Based Complement Alternat Med. 2015 ;2015:301029. Epub 2015 Apr 12. PMID: 25969689

Article Published Date : Dec 31, 2014

Authors : Jintanaporn Wattanathorn, Paphaphat Thiraphatthanavong, Supaporn Muchimapura, Wipawee Thukhammee, Kamol Lertrat, Bhalang Suriharn

Study Type : Animal Study
Additional Links
Substances : Corn: Purple : CK(30) : AC(17), Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)

Evaluation of the antidiabetic potential of extracts of Urtica dioica, Apium graveolens, and Zingiber officinale.

Pubmed Data : Plants (Basel). 2021 Jul 14 ;10(7). Epub 2021 Jul 14. PMID: **34371645**

Article Published Date : Jul 13, 2021

Authors : Rosa Martha Pérez Gutiérrez, Alethia Muñiz-Ramirez, Abraham Heriberto Garcia-Campoy, José María Mota Flores

Study Type : Animal Study
Additional Links
Substances : Celery : CK(138) : AC(60), Ginger : CK(1514) : AC(444), Nettle : CK(274) : AC(109)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: **28904557**

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Complications : CK(3199) : AC(1009), Fibrosis : CK(207) : AC(100)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Z. officinale rhizome extract exerts a protective role against diabetes-induced renal injury.

Pubmed Data : Biomed Pharmacother. 2018 Jun 29 ;106:381-389. Epub 2018 Jun 29. PMID: **29966984**

Article Published Date : Jun 28, 2018

Authors : Amir M Al Hroob, Mohammad H Abukhalil, Reham D Alghonmeen, Ayman M Mahmoud

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: **30532634**

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856),

Interleukin-2 Downregulation : CK(123) : AC(51), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Diabetic Complications (AC 9) (CK 15)

Adding ginger to daily diet of diabetic patients has useful effects and may ameliorate diabetes complications.

Pubmed Data : Avicenna J Med Biotechnol. 2019 Jul-Sep;11(3):234-238. PMID: **31379996**

Article Published Date : Jun 30, 2019

Authors : Shirin Azizidoost, Zahra Nazeri, Asma Mohammadi, Ghorban Mohammadzadeh, Maryam Cheraghzadeh, Alireza Jafari, Alireza Kheirollah

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009), Hypercholesterolemia : CK(2333) : AC(408)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)

Bioactive compounds isolated from apple, tea, and ginger protect against dicarbonyl induced stress in cultured human retinal epithelial cells.

Pubmed Data : Phytomedicine. 2016 Feb 15 ;23(2):200-13. Epub 2016 Jan 5. PMID: **26926182**

Article Published Date : Feb 14, 2016

Authors : Chethan Sampath, Yingdong Zhu, Shengmin Sang, Mohamed Ahmedna

Study Type : In Vitro Study
Additional Links
Substances : Apple Polyphenols : CK(175) : AC(62), EGCG (Epigallocatechin gallate) : CK(1091) : AC(605), Ginger : CK(1514) : AC(444)
Diseases : Advanced Glycation End products (AGE) : CK(440) : AC(176), Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Glycation Agents : CK(197) : AC(100), Antioxidants : CK(21528) : AC(8856), Nrf2 activation : CK(1584) : AC(916)

Combined ginger and cinnamon have significant beneficial effects on the sperm viability, motility, and serum total testosterone, LH,FSH and serum anti-oxidants level

Pubmed Data : Afr J Tradit Complement Altern Med. 2014 ;11(4):1-8. Epub 2014 Jun 4. PMID: **25392573**

Article Published Date : Dec 31, 2013

Authors : Arash Khaki, Amir Afshin Khaki, Laleh Hajhosseini, Farhad Sadeghpour Golzar, Nava Ainehchi

Study Type : Animal Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Spermatogenic : CK(34) : AC(12)

Ginger extract protects the heart against inflammation and fibrosis in diabetes.

Pubmed Data : Can J Diabetes. 2020 Sep 2. Epub 2020 Sep 2. PMID: **33162372**

Article Published Date : Sep 01, 2020

Authors : Tara Abdi, Maryam Mahmoudabady, Hadi Zare Marzouni, Saeed Niazmand, Majid Khazaei

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetic Complications : CK(3199) : AC(1009), Myocardial Fibrosis : CK(140) : AC(64)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: **28904557**

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Complications : CK(3199) : AC(1009), Fibrosis : CK(207) : AC(100)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Polyphenol-rich Indian ginger cultivars ameliorate GLUT4 activity in C2C12 cells, inhibit diabetes-related enzymes and LPS-induced inflammation.

Pubmed Data : J Food Biochem. 2021 Feb ;45(2):e13600. Epub 2021 Jan 5. PMID: **33403698**

Article Published Date : Jan 31, 2021

Authors : Meenakshi Venkateswaran, Sasidharan Jayabal, Shanmugam Hemaiswarya, Selvakumar Murugesan, Subudhi Enkateswara, Mukesh Doble, Sureshkumar Periyasamy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hypoglycemic Agents : CK(5366) : AC(1338)

Protective effect of zingerone on increased vascular contractility in diabetic rat aorta.

Pubmed Data : Eur J Pharmacol. 2016 Jun 5 ;780:174-9. Epub 2016 Mar 25. PMID: **27020549**

Article Published Date : Jun 04, 2016

Authors : Salah A Ghareib, Hany M El-Bassossy, Ahmed A Elberry, Ahmad Azhar, Malcolm L Watson, Zainy M Banjar, Abdulrahman M Alahdal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Vasodilator Agents : CK(626) : AC(169)

These findings showed the potential effects of 6S and 6G on the prevention of protein glycation.

Pubmed Data : Chem Res Toxicol. 2015 Aug 6. Epub 2015 Aug 6. PMID: 26247545

Article Published Date : Aug 05, 2015

Authors : Yingdong Zhu, Yantao Zhao, Pei Wang, Mohamed Ahmedna, Shengmin Sang

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Advanced Glycation Endproduct (AGE) Formation : CK(7) : AC(3), Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Glycation Agents : CK(197) : AC(100)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: 27293376

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Angiogenic : CK(347) : AC(234), Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815), Vascular Endothelial Growth Factor Inhibitors : CK(435) : AC(247)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Diabetic Glomerular Hypertrophy (AC 1) (CK 2)

Ameliorative Potentials of Ginger (Z. officinale Roscoe) on Relative Organ Weights in Streptozotocin induced Diabetic Rats.

Pubmed Data : Int J Biomed Sci. 2013 Jun ;9(2):82-90. PMID: 23847458

Article Published Date : May 31, 2013

Authors : C O Eleazu, M Iroaganachi, P N Okafor, I I Ijeh, K C Eleazu

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Kidney Function : CK(84) : AC(27), Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetic Glomerular Hypertrophy : CK(2) : AC(1)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)

Diabetic Nephropathy (AC 3) (CK 6)

Z. officinale rhizome extract exerts a protective role against diabetes-induced renal injury.

Pubmed Data : Biomed Pharmacother. 2018 Jun 29 ;106:381-389. Epub 2018 Jun 29. PMID: 29966984

Article Published Date : Jun 28, 2018

Authors : Amir M Al Hroob, Mohammad H Abukhalil, Reham D Alghonmeen, Ayman M Mahmoud

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: 29537332

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone is a promising therapeutic treatment to attenuate diabetic nephropathy.

Pubmed Data : Biomed Pharmacother. 2018 Mar ;99:422-430. PMID: 29367111

Article Published Date : Feb 28, 2018

Authors : Yan Cui, Yan Shi, Yan Bao, Shulong Wang, Qiuju Hua, Yun Liu

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Diabetic Neuropathy (AC 1) (CK 2)

Ginger extracts and its compound, 6-shogaol could reduce pain symptoms in painful diabetic neuropathy.

Pubmed Data : J Ethnopharmacol. 2019 Nov 16. Epub 2019 Nov 16. PMID: 31743763

Article Published Date : Nov 15, 2019

Authors : Fifteen Aprila Fajrin, Agung Endro Nugroho, Arief Nurrochmad, Rina Susilowati

Study Type : Animal Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Diabetic Neuropathy : CK(244) : AC(65)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)

Diarrhea (AC 2) (CK 3)

Ginger and its derivatives may be effective herbal supplements for the clinical treatment of enterotoxigenic Escherichia coli diarrhea.

Pubmed Data : J Agric Food Chem. 2007 Oct 17 ;55(21):8390-7. Epub 2007 Sep 20. PMID: 17880155

Article Published Date : Oct 16, 2007

Authors : Jaw-Chyun Chen, Li-Jiau Huang, Shih-Lu Wu, Sheng-Chu Kuo, Tin-Yun Ho, Chien-Yun Hsiang

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diarrhea : CK(910) : AC(145), Escherichia coli Infections : CK(401) : AC(297)
Pharmacological Actions : Antidiarrheals : CK(439) : AC(87)
Additional Keywords : Phytotherapy : CK(3062) : AC(812)

Ginger is useful in gastrointestinal disorders due to its spasmolytic activity.

Pubmed Data : Dig Dis Sci. 2005 Oct;50(10):1889-97. PMID: 16187193

Article Published Date : Oct 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colic : CK(196) : AC(25), Diarrhea : CK(910) : AC(145), Dyspepsia : CK(371) : AC(44)
Pharmacological Actions : Antispasmodic : CK(140) : AC(37)

Dog Diseases (AC 2) (CK 3)

Andrographis, Tinospora and especially Zingiber officinale (ginger) have anti-parasitic activity against canine dirofilariasis (heartworm).

Pubmed Data : Res Vet Sci. 2010 Feb;88(1):142-7. Epub 2009 Jun 4. PMID: 19500810

Article Published Date : Feb 01, 2010

Authors : L T Merawin, A K Arifah, R A Sani, M N Somchit, A Zuraini, S Ganabadi, Z A Zakaria

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dog Diseases : CK(5) : AC(3), Pets: Heartworm : CK(3) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger (intravenous) exhibits antiparasitic activity against Dirofilaria immitis (heartworm).

Pubmed Data : J Helminthol. 1987 Sep;61(3):268-70. PMID: 3668217

Article Published Date : Sep 01, 1987

Authors : A Datta, N C Sukul

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dog Diseases : CK(5) : AC(3), Pets: Heartworm : CK(3) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Dysbiosis (AC 1) (CK 2)

Impacts of the independent and synergistic effects of curcuma and mangosteen extracts on the gut bacterial composition in lean and obese rats.

Pubmed Data : Microb Pathog. 2021 Feb 11 ;153:104794. Epub 2021 Feb 11. PMID: 33581279

Article Published Date : Feb 10, 2021

Authors : Ranyah Shaker M Labban, Hanan A ALfawaz, Nadine Ms Moubayed, Yasser Al- Shawakir, Afaf El-Ansary

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Mangosteen : CK(152) : AC(77)
Diseases : Dysbiosis : CK(1527) : AC(422), High Fat Diet : CK(1267) : AC(602)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506)

Dyslipidemias (AC 1) (CK 2)

Ginger could be considered as an effective lipid lowering nutraceuticals.

Pubmed Data : Phytother Res. 2023 Jun ;37(6):2472-2483. Epub 2023 Feb 14. PMID: 36786398

Article Published Date : May 31, 2023

Authors : Alaa Kassar Salih, Ala Hadi Alwan, Murad Khadim, Zahraa Haleem Al-Qaim, Bobosher Mardanov, Amr A El-Sehrwy, Yousief Irshad Ahmed, Atefeh Amerizadeh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dyslipidemias : CK(1104) : AC(241)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)

Dysmenorrhea (AC 5) (CK 51)

Collectively these RCTs provide suggestive evidence for the

effectiveness of 750-2000 mg ginger powder during the first 3-4 days of menstrual cycle for primary dysmenorrhea.

Pubmed Data : Pain Med. 2015 Jul 14. Epub 2015 Jul 14. PMID: 26177393

Article Published Date : Jul 13, 2015

Authors : James W Daily, Xin Zhang, Da Sol Kim, Sunmin Park

Study Type : Meta Analysis, Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dysmenorrhea : CK(692) : AC(71)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Significant Treatment Outcome : CK(3903) : AC(462)

Ginger as a nutraceutical: Focus on the metabolic, analgesic, and antiinflammatory effects.

Pubmed Data : Phytother Res. 2020 Dec 5. Epub 2020 Dec 5. PMID: 33278054

Article Published Date : Dec 04, 2020

Authors : Ester Pagano, Eliana B Souto, Alessandra Durazzo, Javad Sharifi-Rad, Massimo Lucarini, Selma B Souto, Bahare Salehi, Wissam Zam, Vittorino Montanaro, Giuseppe Lucariello, Angelo A Izzo, Antonello Santini, Barbara Romano

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Dysmenorrhea : CK(692) : AC(71), Hyperlipidemia : CK(1569) : AC(402), Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger as well as Novafen is effective in relieving pain in girls with primary dysmenorrhea.

Pubmed Data : Taiwan J Obstet Gynecol. 2018 Dec ;57(6):806-809. PMID: 30545531

Article Published Date : Nov 30, 2018

Authors : Hajar Adib Rad, Zahra Basirat, Fatemeh Bakouei, Ali Akbar Moghadamnia, Soraya Khafri, Zeynab Farhadi Kotenaei, Maryam Nikpour, Somayeh Kazemi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dysmenorrhea : CK(692) : AC(71)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)

Ginger is as effective as mefenamic acid and ibuprofen in relieving pain in women with primary dysmenorrrhea.

Pubmed Data : J Altern Complement Med. 2009 Feb 13. PMID: 19216660

Article Published Date : Feb 13, 2009

Authors : Giti Ozgoli, Marjan Goli, Fariborz Moattar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dysmenorrhea : CK(692) : AC(71)
Additional Keywords : Ibuprofen Alternatives : CK(57) : AC(14), Natural Substances Versus Drugs : CK(2375) : AC(479)

Treatment of primary dysmenorrhea in students with ginger for 5 days had a statistically significant effect on relieving intensity and duration of pain.

Pubmed Data : BMC Complement Altern Med. 2012 ;12:92. Epub 2012 Jul 10. PMID: 22781186

Article Published Date : Dec 31, 2011

Authors : Parvin Rahnama, Ali Montazeri, Hassan Fallah Huseini, Saeed Kianbakht, Mohsen Naseri

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dysmenorrhea : CK(692) : AC(71)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Dyspepsia (AC 5) (CK 41)

Effectiveness of a nutraceutical supplement containing highly standardized perilla and ginger extracts in patients with functional dyspepsia.

Pubmed Data : Minerva Gastroenterol Dietol. 2020 Mar ;66(1):35-40. PMID: 32283883

Article Published Date : Feb 29, 2020

Authors : Francesco Di Pierro, Maurizio Giovannone, Mariella Saponara, Leandro Ivaldi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Perilla : CK(89) : AC(46)
Diseases : Dyspepsia : CK(371) : AC(44)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger and artichoke leaf extracts appears efficacious in the treatment of functional dyspepsia and could represent a promising and safe treatment strategy for this frequent disease.

Pubmed Data : Evid Based Complement Alternat Med. 2015 ;2015:915087. Epub 2015 Apr 14. PMID: 25954317

Article Published Date : Dec 31, 2014

Authors : Attilio Giacosa, Davide Guido, Mario Grassi, Antonella Riva, Paolo Morazzoni, Ezio Bombardelli, Simone Perna, Milena A Faliva, Mariangela Rondanelli

Study Type : Human Study
Additional Links
Substances : Artichoke : CK(398) : AC(85), Ginger : CK(1514) : AC(444)
Diseases : Dyspepsia : CK(371) : AC(44)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Significant Treatment Outcome : CK(3903) : AC(462)

Ginger is useful in gastrointestinal disorders due to its spasmolytic activity.

Pubmed Data : Dig Dis Sci. 2005 Oct;50(10):1889-97. PMID: 16187193

Article Published Date : Oct 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colic : CK(196) : AC(25), Diarrhea : CK(910) : AC(145), Dyspepsia : CK(371) : AC(44)

Pharmacological Actions : Antispasmodic : CK(140) : AC(37)

Ginger stimulates gastric emptying in patients with functional dyspepsia.

Pubmed Data : World J Gastroenterol. 2011 Jan 7;17(1):105-10. PMID: 21218090

Article Published Date : Jan 07, 2011

Authors : Ming-Luen Hu, Christophan K Rayner, Keng-Liang Wu, Seng-Kee Chuah, Wei-Chen Tai, Yeh-Pin Chou, Yi-Chun Chiu, King-Wah Chiu, Tsung-Hui Hu

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dyspepsia : CK(371) : AC(44)

The gastro-protective effect of ginger in Helicobacter pylori positive functional dyspepsia.

Pubmed Data : Adv Pharm Bull. 2019 Jun ;9(2):321-324. Epub 2019 Jun 1. PMID: 31380260

Article Published Date : May 31, 2019

Authors : Vahideh Ebrahimzadeh Attari, Mohammad Hosein Somi, Mohammad Asghari Jafarabadi, Alireza Ostadrahimi, Seyed-Yaghob Moaddab, Neda Lotfi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dyspepsia : CK(371) : AC(44), Helicobacter Pylori Infection : CK(966) : AC(207)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Gastroprotective : CK(955) : AC(388)

Echinococcosis (AC 1) (CK 1)

Turmeric and ginger extracts have high scolicidal activity and could be used as effective scolicidal agents against Echinococcus protoscoleces.

Pubmed Data : Saudi J Biol Sci. 2017 Jan ;24(1):90-94. Epub 2016 May 14. PMID: 28053576

Article Published Date : Dec 31, 2016

Authors : Esam Almalki, Esam M Al-Shaebi, Saleh Al-Quarishy, Mansour El-Matbouli, Abdel-Azeem S Abdel-Baki

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Echinococcosis : CK(2) : AC(2)
Pharmacological Actions : Scolicidal : CK(4) : AC(4)

Encephalomyelitis (AC 1) (CK 2)

ginger extract modulates the expression of the IL-27 and IL-33 in the spinal cord of EAE mice and ameliorates the clinical symptoms of

disease.

Pubmed Data : J Neuroimmunol. 2014 Nov 15 ;276(1-2):80-8. Epub 2014 Aug 19. PMID: 25175065

Article Published Date : Nov 14, 2014

Authors : A Jafarzadeh, M Mohammadi-Kordkhayli, R Ahangar-Parvin, V Azizi, H Khoramdel-Azad, A Shamsizadeh, A Ayoobi, M Nemati, Z M Hassan, S M Moazeni, M Khaksari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Encephalomyelitis : CK(100) : AC(50), Multiple Sclerosis : CK(1802) : AC(394)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Significant Treatment Outcome : CK(3903) : AC(462)

Endocrine Imbalances (AC 1) (CK 2)

6-Gingerol-rich fraction from Zingiber officinale ameliorates carbendazim-induced endocrine disruption.

Pubmed Data : Andrologia. 2016 Aug 22. Epub 2016 Aug 22. PMID: 27546232

Article Published Date : Aug 21, 2016

Authors : M Salihu, B O Ajayi, I A Adedara, D de Souza, J B T Rocha, E O Farombi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Endocrine Imbalances : CK(16) : AC(6)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)
Problem Substances : Plant Extracts : CK(14140) : AC(5210)

Endometriosis (AC 1) (CK 1)

Nutritional implications of ginger: chemistry, biological activities and signaling pathways.

Pubmed Data : J Nutr Biochem. 2020 Aug 19 ;86:108486. Epub 2020 Aug 19. PMID: 32827666

Article Published Date : Aug 18, 2020

Authors : Ryoiti Kiyama

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Endometriosis : CK(301) : AC(80), Menopausal Syndrome : CK(633) : AC(93), Osteoporosis : CK(2025) : AC(512), Polycystic Ovary Syndrome : CK(1093) : AC(163), Prostatic Hyperplasia : CK(22) : AC(3)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717), Neuroprotective Agents : CK(10404) : AC(4396), Osteoprotective : CK(971) : AC(351)

Endotoxemia (AC 2) (CK 4)

Zingerone might be useful in the treatment of sepsis by targeting HMGB1.

Pubmed Data : Toxicol Appl Pharmacol. 2017 08 15 ;329:202-211. Epub 2017 Jun 10. PMID: **28610995**

Article Published Date : Jan 14, 2017

Authors : Wonhwa Lee, Sae-Kwang Ku, Jong-Sup Bae

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Endotoxemia : CK(219) : AC(91), Sepsis : CK(952) : AC(276)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone therapy significantly protected liver from endotoxin induced inflammatory damage

Pubmed Data : PLoS One. 2014 ;9(9):e106536. Epub 2014 Sep 3. PMID: **25184525**

Article Published Date : Dec 31, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Antibiotic Toxicity : CK(316) : AC(82), Endotoxemia : CK(219) : AC(91), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Antibiotics : CK(703) : AC(132)

Enterococcus Infections (AC 3) (CK 3)

Antibacterial activity of Rosmarinus officinalis, Zingiber officinale, Citrus aurantium bergamia, and Copaifera officinalis against Enterococcus faecalis.

Pubmed Data : Biomed Res Int. 2019 ;2019:8129439. Epub 2019 Dec 12. PMID: **31915705**

Article Published Date : Dec 31, 2018

Authors : Silmara Silva, Nayane Alves, Priscila Silva, Thalita Vieira, Panmella Maciel, Lúcio Roberto Castellano, Paulo Bonan, Christianne Velozo, Diana Albuquerque

Study Type : In Vitro Study
Additional Links
Substances : Bitter Orange : CK(165) : AC(48), Ginger : CK(1514) : AC(444), Rosemary : CK(413) : AC(163)
Diseases : Enterococcus Infections : CK(50) : AC(45)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)

Comparative antibacterial effects of ginger and marjoram extract versus conventional irrigants on mature Enterococcus faecalis biofilms.

Pubmed Data : J Clin Exp Dent. 2023 Apr ;15(4):e304-e310. Epub 2023 Apr 1. PMID: **37152491**

Article Published Date : Mar 31, 2023

Authors : Hadi Mokhtari, Mahsa Eskandarinezhad, Mohammadhossein-Soruosh Barhaghi, Solmaz Asnaashari, Fatemeh-Yeghaneh Sefidan, Atefeh Abedi, Sepideh Alizadeh

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Marjoram : CK(52) : AC(15)
Diseases : Enterococcus Infections : CK(50) : AC(45)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Anti-Bacterial Agents : CK(2894) : AC(1251)

These spices could be as potential antimicrobial agents for inclusion in the anti-enterococcal treatment regimen.

Pubmed Data : Arch Med Sci. 2015 Aug 12 ;11(4):863-8. Epub 2015 Aug 11. PMID: 26322099

Article Published Date : Aug 11, 2015

Authors : Sharma Revati, Chapagain Bipin, Pai Bhat Chitra, Bhattacharjee Minakshi

Study Type : In Vitro Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Clove : CK(177) : AC(99), Cumin : CK(99) : AC(38), Ginger : CK(1514) : AC(444)
Diseases : Enterococcus Infections : CK(50) : AC(45)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Antibiotic Resistance : CK(70) : AC(13)

Epstein-Barr Virus Infections (AC 1) (CK 1)

Zingiberaceae species (e.g. ginger) contain compounds that inhibit Epstein-Barr virus activiation.

Pubmed Data : Br J Cancer. 1999 Apr;80(1-2):110-6. PMID: 10389986

Article Published Date : Apr 01, 1999

Authors : S Vimala, A W Norhanom, M Yadav

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Epstein-Barr Virus Infections : CK(176) : AC(63)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Escherichia coli Infections (AC 6) (CK 7)

Antibacterial activity and mechanism of ginger essential oil against Escherichia coli and Staphylococcus aureus.

Pubmed Data : Molecules. 2020 Aug 30 ;25(17). Epub 2020 Aug 30. PMID: 32872604

Article Published Date : Aug 29, 2020

Authors : Xin Wang, Yi Shen, Kiran Thakur, Jinzhi Han, Jian-Guo Zhang, Fei Hu, Zhao-Jun Wei

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)

Diseases : Escherichia coli Infections : CK(401) : AC(297), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Antimicrobial activity of essential oils evaluated in vitro against Escherichia coli and Staphylococcus aureus.

Pubmed Data : Antibiotics (Basel). 2022 Jul 20 ;11(7). Epub 2022 Jul 20. PMID: 35884233

Article Published Date : Jul 19, 2022

Authors : Michela Galgano, Paolo Capozza, Francesco Pellegrini, Marco Cordisco, Alessio Sposato, Sabina Sblano, Michele Camero, Gianvito Lanave, Giuseppe Fracchiolla, Marialaura Corrente, Francesco Cirone, Adriana Trotta, Maria Tempesta, Domenico Buonavoglia, Annamaria Pratelli

Study Type : In Vitro Study
Additional Links
Substances : Basil : CK(120) : AC(75), Fennel : CK(305) : AC(66), Ginger : CK(1514) : AC(444), Lemon : CK(143) : AC(46), Lemongrass : CK(23) : AC(9), Thyme : CK(140) : AC(70)
Diseases : Escherichia coli Infections : CK(401) : AC(297)
Pharmacological Actions : Antimicrobial : CK(1209) : AC(582)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: 26132146

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study
Additional Links
Substances : Bay leaf : CK(58) : AC(30), Black Pepper : CK(714) : AC(307), Coriandor : CK(4) : AC(4), Cumin : CK(99) : AC(38), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Mustard Oil : CK(3) : AC(3), Mustard Oil : CK(3) : AC(3), Turmeric : CK(7078) : AC(3169)
Diseases : Bacillus Cereus infection : CK(29) : AC(28), Escherichia coli Infections : CK(401) : AC(297), Listeria Infections : CK(76) : AC(64), Micrococcus luteus infections : CK(5) : AC(5), Salmonella Infections : CK(149) : AC(113), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antimicrobial : CK(1209) : AC(582), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Essential Oils : CK(736) : AC(311), Natural Substance Synergy : CK(1094) : AC(506)

Ginger and its derivatives may be effective herbal supplements for the clinical treatment of enterotoxigenic Escherichia coli diarrhea.

Pubmed Data : J Agric Food Chem. 2007 Oct 17 ;55(21):8390-7. Epub 2007 Sep 20. PMID: 17880155

Article Published Date : Oct 16, 2007

Authors : Jaw-Chyun Chen, Li-Jiau Huang, Shih-Lu Wu, Sheng-Chu Kuo, Tin-Yun Ho, Chien-Yun Hsiang

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diarrhea : CK(910) : AC(145), Escherichia coli Infections : CK(401) : AC(297)
Pharmacological Actions : Antidiarrheals : CK(439) : AC(87)
Additional Keywords : Phytotherapy : CK(3062) : AC(812)

Ginger essential oil exerts anti-bacteria activity.

Pubmed Data : Mater Sci Eng C Mater Biol Appl. 2017 Apr 1 ;73:381-387. Epub 2016 Dec 27. PMID: 28183622

Article Published Date : Mar 31, 2017

Authors : Hong Lei, Qiaonian Wei, Qing Wang, Anxiang Su, Mei Xue, Qin Liu, Qiuhui Hu

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Escherichia coli Infections : CK(401) : AC(297), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Essential Oils : CK(736) : AC(311)

The influence of hemp extract in combination with ginger on the metabolic activity of metastatic cells and microorganisms.

Pubmed Data : Molecules. 2020 Oct 28 ;25(21). Epub 2020 Oct 28. PMID: 33126621

Article Published Date : Oct 27, 2020

Authors : Taja Žitek, Maja Leitgeb, Andrej Golle, Barbara Dariš, Željko Knez, Maša Knez Hrnčič

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Hemp Seed : CK(92) : AC(45)
Diseases : Hemp Seed : CK(92) : AC(45), Escherichia coli Infections : CK(401) : AC(297), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)

Esophageal Cancer (AC 1) (CK 2)

Kampo preparation Daikenchuto could be useful for cancer therapy.

Pubmed Data : J Nat Med. 2016 Apr 8. Epub 2016 Apr 8. PMID: 27059786

Article Published Date : Apr 07, 2016

Authors : Takuya Nagata, Kazufumi Toume, Lv Xiao Long, Katsuhisa Hirano, Toru Watanabe, Shinichi Sekine, Tomoyuki Okumura, Katsuko Komatsu, Kazuhiro Tsukada

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginseng : CK(2684) : AC(1192)
Diseases : Breast Cancer : CK(6327) : AC(2272), Colon Cancer : CK(1493) : AC(954), Esophageal Cancer : CK(805) : AC(190), Gastric Cancer : CK(1165) : AC(504)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

Excitotoxicity (AC 1) (CK 2)

Ginger root extract has a neuroprotective effect against monosodium glutamate-induced toxicity in male rats.

Pubmed Data : Pak J Biol Sci. 2009 Feb 1;12(3):201-12. PMID: 19579948

Article Published Date : Feb 01, 2009

Authors : Abeer M Waggas

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Excitotoxicity : CK(59) : AC(36)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Fat Malabsorption (AC 1) (CK 2)

Dietary ginger and other spice compounds enhance fat digestion and absorption in high-fat fed situation through enhanced secretion of bile salts and a stimulation of the activity pancreatic lipase.

Pubmed Data : J Sci Food Agric. 2011 Sep 14. Epub 2011 Sep 14. PMID: 21918995

Article Published Date : Sep 13, 2011

Authors : Usha Ns Prakash, Krishnapura Srinivasan

Study Type : Animal Study
Additional Links
Substances : Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Piperine : CK(320) : AC(159)
Diseases : Fat Malabsorption : CK(2) : AC(1), Indigestion: Fats : CK(2) : AC(1), Steatorrhea : CK(12) : AC(3)
Pharmacological Actions : Enzyme Inhibitors: Pancreatic Lipase : CK(46) : AC(19)

Fatigue: Cancer-Associated (AC 1) (CK 10)

Adjuvant ginger supplementation is associated with better chemotherapy-induced nausea-related quality of life and less cancer-related fatigue.

Pubmed Data : Nutrients. 2017 Aug 12 ;9(8). Epub 2017 Aug 12. PMID: 28805667

Article Published Date : Aug 11, 2017

Authors : Wolfgang Marx, Alexandra L McCarthy, Karin Ried, Dan McKavanagh, Luis Vitetta, Avni Sali, Anna Lohning, Elisabeth Isenring

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Fatigue: Cancer-Associated : CK(85) : AC(10), Nausea: Chemotherapy-Induced : CK(288) : AC(32)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Fatty Liver (AC 1) (CK 1)

Ginger has potential efficacy for nonalcoholic fatty liver disease.

Pubmed Data : Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2009 Sep;108(3):394-8. PMID: 21246004

Article Published Date : Sep 01, 2009

Authors : Amirhossein Sahebkar

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Fatty Liver : CK(2522) : AC(701)

Fibrosis (AC 1) (CK 2)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: 28904557

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Complications : CK(3199) : AC(1009), Fibrosis : CK(207) : AC(100)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Fluoride Toxicity (AC 1) (CK 2)

Protective effect of quercetin and ginger extract against dimethoate potentiated fluoride-induced nephrotoxicity.

Pubmed Data : Foods. 2023 May 5 ;12(9). Epub 2023 May 5. PMID: 37174437

Article Published Date : May 04, 2023

Authors : Priyanka Sharma, Pawan Kumar Verma, Shilpa Sood, Rasia Yousuf, Amit Kumar, Rajinder Raina, Muhammad Asim Shabbir, Zuhaib F Bhat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Quercetin : CK(1179) : AC(590)
Diseases : Fluoride Toxicity : CK(306) : AC(114), Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Sodium Fluoride : CK(331) : AC(122)

Foodborne Pathogens: Prevention/Food Preservation (AC 1) (CK 1)

This study confirmed the potential of selected extracts of spices as

effective natural food preservative in juices.

Pubmed Data : Int J Microbiol. 2016 ;2016:9015802. Epub 2016 Jan 4. PMID: 26880927

Article Published Date : Dec 31, 2015

Authors : Romika Dhiman, Neeraj Aggarwal, Kamal Rai Aneja, Manpreet Kaur

Study Type : In Vitro Study
Additional Links
Substances : Ashwagandha : CK(418) : AC(173), Ginger : CK(1514) : AC(444), Gotu Kola : CK(200) : AC(86), Indian Gooseberry : CK(28) : AC(12), Mint : CK(519) : AC(96), Terminalia : CK(27) : AC(18), Turmeric : CK(7078) : AC(3169)
Diseases : Foodborne Pathogens: Prevention/Food Preservation : CK(47) : AC(43)
Pharmacological Actions : Antimicrobial : CK(1209) : AC(582), Food Preservatives : CK(2) : AC(2)
Additional Keywords : Fruit Juice : CK(100) : AC(15), Plant Extracts : CK(14140) : AC(5210)

Fructose-Induced Toxicity (AC 2) (CK 4)

Ginger has a beneficial effect on fructose induced hyperlipidemia an dhyperinsulinemia in rats.

Pubmed Data : Indian J Exp Biol. 2005 Dec;43(12):1161-4. PMID: 16359128

Article Published Date : Dec 01, 2005

Authors : Sanjay V Kadnur, Ramesh K Goyal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Fructose-Induced Toxicity : CK(203) : AC(75), Hyperinsulinism : CK(326) : AC(70), Hyperlipidemia : CK(1569) : AC(402), Metabolic Syndrome X : CK(2073) : AC(376)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Treatment with ginger ameliorates fructose-induced Fatty liver and hypertriglyceridemia in rats.

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:570948. Epub 2012 Nov 6. PMID: 23193424

Article Published Date : Dec 31, 2011

Authors : Huanqing Gao, Tao Guan, Chunli Li, Guowei Zuo, Johji Yamahara, Jianwei Wang, Yuhao Li

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Fructose-Induced Toxicity : CK(203) : AC(75), Liver Stress: Fructose-Induced : CK(27) : AC(14)
Problem Substances : Fructose : CK(458) : AC(133)

Gastric Cancer (AC 3) (CK 4)

8-paradol from ginger exacerbates PINK1/Parkin mediated mitophagy to induce apoptosis in human gastric adenocarcinoma.

Pubmed Data : Pharmacol Res. 2022 Dec 12 ;187:106610. Epub 2022 Dec 12. PMID: 36521573

Article Published Date : Dec 11, 2022

Authors : Rongbo Wang, Yeong-Geun Lee, Sanjeevram Dhandapani, Nam-In Baek, Kwang-Pyo Kim, Yeong-Eun Cho, Xingyue Xu, Yeon-Ju Kim

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastric Cancer : CK(1165) : AC(504)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

Kampo preparation Daikenchuto could be useful for cancer therapy.

Pubmed Data : J Nat Med. 2016 Apr 8. Epub 2016 Apr 8. PMID: 27059786

Article Published Date : Apr 07, 2016

Authors : Takuya Nagata, Kazufumi Toume, Lv Xiao Long, Katsuhisa Hirano, Toru Watanabe, Shinichi Sekine, Tomoyuki Okumura, Katsuko Komatsu, Kazuhiro Tsukada

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginseng : CK(2684) : AC(1192)
Diseases : Breast Cancer : CK(6327) : AC(2272), Colon Cancer : CK(1493) : AC(954), Esophageal Cancer : CK(805) : AC(190), Gastric Cancer : CK(1165) : AC(504)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

These results indicated that the effective components of Pinelliae extract for Purging Stomach-Fire in gastric cancer treatment were pinelliae and dried ginger.

Pubmed Data : Am J Transl Res. 2016 ;8(7):2937-46. Epub 2016 Jul 15. PMID: 27508014

Article Published Date : Dec 31, 2015

Authors : Xi-Ping Liu, Hai-Xia Ming, Pei-Qing Li

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Pinellia : CK(3) : AC(2)
Diseases : Gastric Cancer : CK(1165) : AC(504)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

Gastric Ulcer (AC 4) (CK 5)

Ginger contains phytochemicals that significantly inhibit gastric lesions.

Pubmed Data : J Ethnopharmacol. 1988 Jul-Aug;23(2-3):299-304. PMID: 3193792

Article Published Date : Jul 01, 1988

Authors : J Yamahara, M Mochizuki, H Q Rong, H Matsuda, H Fujimura

Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastric Ulcer : CK(470) : AC(212)

Ginger is superior to lansoprazole at blocking ulcer formation.

Pubmed Data : Mol Nutr Food Res. 2007 Mar;51(3):324-32. PMID: 17295419

Article Published Date : Mar 01, 2007

Authors : Mugur N Siddaraju, Shylaja M Dharmesh

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastric Ulcer : CK(470) : AC(212), Gastroesophageal Reflux : CK(389) : AC(52)
Additional Keywords : Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Turmeric and ginger essential oils could reduce the gastric ulcers in rat stomachs.

Pubmed Data : J Basic Clin Physiol Pharmacol. 2015 Jan ;26(1):95-103. PMID: **24756059**

Article Published Date : Dec 31, 2014

Authors : Vijayasteltar B Liju, Kottarapat Jeena, Ramadasan Kuttan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric: Volatile Oils : CK(14) : AC(4)
Diseases : Gastric Ulcer : CK(470) : AC(212)
Pharmacological Actions : Gastroprotective : CK(955) : AC(388)
Additional Keywords : Plant Oils : CK(229) : AC(87)

Zingerone has a protective effect on the ethanol-induced gastric ulcer.

Pubmed Data : Medicina (Kaunas). 2019 Mar 11 ;55(3). Epub 2019 Mar 11. PMID: **30862060**

Article Published Date : Mar 10, 2019

Authors : Neda Sistani Karampour, Ardeshir Arzi, Anahita Rezaie, Marzieh Pashmforoosh, Fatemeh Kordi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Gastric Ulcer : CK(470) : AC(212)
Pharmacological Actions : Anti-Ulcer Agents : CK(523) : AC(184), Antioxidants : CK(21528) : AC(8856), Gastrointestinal Agents : CK(3145) : AC(843)

Gastroesophageal Reflux (AC 2) (CK 3)

Ginger has a gastroprotective effect through its acid blocking and anti-Helico bacter pylori activity.

Pubmed Data : Evid Based Complement Alternat Med. 2009 Jul 1. PMID: **19570992**

Article Published Date : Jul 01, 2009

Authors : Siddaraju M Nanjundaiah, Harish Nayaka Mysore Annaiah, Shylaja M Dharmesh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Acid Reflux : CK(389) : AC(52), Gastroesophageal Reflux : CK(389) : AC(52), Helicobacter Pylori Infection : CK(966) : AC(207)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Proton Pump Inhibitor : CK(38) : AC(14)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479), Prevacid (Lansoprazole) Alternatives : CK(6) : AC(3)

Ginger is superior to lansoprazole at blocking ulcer formation.

Pubmed Data : Mol Nutr Food Res. 2007 Mar;51(3):324-32. PMID: **17295419**

Article Published Date : Mar 01, 2007

Authors : Mugur N Siddaraju, Shylaja M Dharmesh

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastric Ulcer : CK(470) : AC(212), Gastroesophageal Reflux : CK(389) : AC(52)
Additional Keywords : Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Gastrointestinal Cancer (AC 1) (CK 1)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: 25838819

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590), Gastrointestinal Cancer : CK(71) : AC(25)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Significant Treatment Outcome : CK(3903) : AC(462)

Gastrointestinal Complaints (AC 1) (CK 10)

The effects of ginger supplementation on common gastrointestinal symptoms in patients with relapsing-remitting multiple sclerosis.

Pubmed Data : BMC Complement Med Ther. 2023 Oct 27 ;23(1):383. Epub 2023 Oct 27. PMID: 37891539

Article Published Date : Oct 26, 2023

Authors : Sahar Foshati, Maryam Poursadeghfard, Zahra Heidari, Reza Amani

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastrointestinal Complaints : CK(69) : AC(12), Multiple Sclerosis: Relapsing-Remitting : CK(165) : AC(19)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)

Gastrointestinal Inflammation (AC 1) (CK 1)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: 28369951

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastrointestinal Inflammation : CK(261) : AC(117)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Interleukin-8 downregulation : CK(581) : AC(231), NF-kappaB Inhibitor : CK(3536) : AC(2098), Postaglandin PGE2 downregulation : CK(202) : AC(110)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Gastroparesis (AC 1) (CK 10)

Ginger extract reduces delayed gastric emptying and nosocomial pneumonia in adult respiratory distress syndrome patients hospitalized in an intensive care unit.

Pubmed Data : J Crit Care. 2010 Feb 9. Epub 2010 Feb 9. PMID: 20149584

Article Published Date : Feb 09, 2010

Authors : Zahra Vahdat Shariatpanahi, Fourogh Azam Taleban, Majid Mokhtari, Shaahin Shahbazi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastroparesis : CK(107) : AC(13), Pneumonia : CK(880) : AC(121), Respiratory Distress Syndrome : CK(29) : AC(12)

Giardiasis (AC 2) (CK 4)

Ginger and Turmeric extracts may represent effective and natural therapeutic alternatives in the treatment of giardiosis.

Pubmed Data : Parasitol Res. 2016 Mar 16. Epub 2016 Mar 16. PMID: 26984104

Article Published Date : Mar 15, 2016

Authors : Ahmad K Dyab, Doaa A Yones, Zedan Z Ibraheim, Tasneem M Hassan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Giardiasis : CK(29) : AC(8)
Pharmacological Actions : Antiprotozoal Agents : CK(61) : AC(32), Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Dose Response : CK(1712) : AC(683)

Ginger and cinnamon extracts had potential therapeutic effects on G. lamblia infection in albino rats as a promising alternative therapy to the commonly used antigiardial drugs.

Pubmed Data : Iran J Parasitol. 2014 Oct-Dec;9(4):530-40. PMID: 25759734

Article Published Date : Sep 30, 2014

Authors : Abeer Mahmoud, Rasha Attia, Safaa Said, Zedan Ibraheim

Study Type : Animal Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Giardiasis : CK(29) : AC(8)
Pharmacological Actions : Antigiardial agents : CK(7) : AC(4), Antioxidants : CK(21528) : AC(8856), Antiprotozoal Agents : CK(61) : AC(32)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Plant Extracts : CK(14140) : AC(5210)

Glioblastoma (AC 1) (CK 1)

Gingerol is a sensitizing agent which induces cell death of TRAIL resistant glioblastoma cells.

Pubmed Data : Toxicol Appl Pharmacol. 2014 Sep 15 ;279(3):253-65. Epub 2014 Jul 14. PMID: 25034532

Article Published Date : Sep 14, 2014

Authors : Dae-Hee Lee, Dong-Wook Kim, Chang-Hwa Jung, Yong J Lee, Daeho Park

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Glioblastoma : CK(545) : AC(272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), TRAIL sensitizer : CK(3) : AC(2)
Additional Keywords : Apoptosis Regulatory Proteins : CK(1) : AC(1)

Glyphosate Toxicity (AC 1) (CK 2)

Ginger showed a protection role in glyphosate-induced liver and kidney dysfunction, oxidative stress, immunosuppression in Nile tilapia.

Pubmed Data : Vet Res Commun. 2022 Jun 30. Epub 2022 Jun 30. PMID: 35773603

Article Published Date : Jun 29, 2022

Authors : Afaf D Abdelmagid, Alshaimaa M Said, Eman A Abd El-Gawad, Sara A Shalaby, Mahmoud A O Dawood

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Glyphosate Toxicity : CK(394) : AC(151), Kidney Damage: Chemically-Induced : CK(25) : AC(13), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Glyphosate : CK(895) : AC(304)

Gout (AC 1) (CK 2)

6-Shogaol, a compound found within ginger, exerts a strong anti-inflammatory activity against urate crystal-induced inflammation in mice.

Pubmed Data : Methods Find Exp Clin Pharmacol. 2010 Sep;32(7):467-73. PMID: 19819286

Article Published Date : Sep 01, 2010

Authors : Evan Prince Sabina, Mahaboobkhan Rasool, Lazar Mathew, Panneerselvam Ezilrani, Haridas Indu

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gout : CK(135) : AC(32), Hyperuricemia : CK(510) : AC(118)

HIV Infections (AC 1) (CK 2)

Various extracts of ginger inhibit Cytomegalovirus, HSV-1, and HIV virus.

Pubmed Data : Pharmazie. 2006 Aug;61(8):717-21. PMID: 16964717

Article Published Date : Aug 01, 2006

Authors : K Sookkongwaree, M Geitmann, S Roengsumran, A Petsom, U H Danielson

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cytomegalovirus Infections : CK(123) : AC(47), HIV Infections : CK(1055) : AC(347), HSV-1 : CK(54) : AC(45)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

HSV-1 (AC 1) (CK 2)

Various extracts of ginger inhibit Cytomegalovirus, HSV-1, and HIV virus.

Pubmed Data : Pharmazie. 2006 Aug;61(8):717-21. PMID: 16964717

Article Published Date : Aug 01, 2006

Authors : K Sookkongwaree, M Geitmann, S Roengsumran, A Petsom, U H Danielson

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)

Diseases : Cytomegalovirus Infections : CK(123) : AC(47), HIV Infections : CK(1055) : AC(347), HSV-1 : CK(54) : AC(45)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Haemophilus influenzae (AC 1) (CK 1)

Ginger and bitter kola exhibit antibacterial effects on respiratory tract pathogens.

Pubmed Data : East Afr Med J. 2002 Nov;79(11):588-92. PMID: 12630492

Article Published Date : Nov 01, 2002

Authors : J F T K Akoachere, R N Ndip, E B Chenwi, L M Ndip, T E Njock, D N Anong

Study Type : In Vitro Study
Additional Links
Substances : Garcinia kola : CK(23) : AC(4), Ginger : CK(1514) : AC(444)
Diseases : Haemophilus influenzae : CK(59) : AC(16), Staphylococcus aureus infection : CK(498) : AC(374), Streptococcus pyogenes : CK(58) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Hair Loss (AC 1) (CK 1)

A review of herbal preparations for the treatment of hair loss.

Pubmed Data : Arch Dermatol Res. 2019 Nov 3. Epub 2019 Nov 3. PMID: 31680216

Article Published Date : Nov 02, 2019

Authors : Ana ZgoncŠkulj, Nina Poljšak, Nina Kočevar Glavač, Samo Kreft

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginseng : CK(2684) : AC(1192), Ginseng (Korean) : CK(493) : AC(158), Pumpkin : CK(219) : AC(58), Red Clover : CK(214) : AC(45), Saw Palmetto : CK(198) : AC(38)
Diseases : Alopecia : CK(318) : AC(76), Hair Loss : CK(293) : AC(69)

Helicobacter Pylori Infection (AC 2) (CK 12)

Ginger has a gastroprotective effect through its acid blocking and anti-Helico bacter pylori activity.

Pubmed Data : Evid Based Complement Alternat Med. 2009 Jul 1. PMID: 19570992

Article Published Date : Jul 01, 2009

Authors : Siddaraju M Nanjundaiah, Harish Nayaka Mysore Annaiah, Shylaja M Dharmesh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Acid Reflux : CK(389) : AC(52), Gastroesophageal Reflux : CK(389) : AC(52), Helicobacter Pylori Infection : CK(966) : AC(207)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Proton Pump Inhibitor : CK(38) : AC(14)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479), Prevacid (Lansoprazole) Alternatives : CK(6) : AC(3)

The gastro-protective effect of ginger in Helicobacter pylori positive functional dyspepsia.

Pubmed Data : Adv Pharm Bull. 2019 Jun ;9(2):321-324. Epub 2019 Jun 1. PMID: 31380260

Article Published Date : May 31, 2019

Authors : Vahideh Ebrahimzadeh Attari, Mohammad Hosein Somi, Mohammad Asghari Jafarabadi, Alireza Ostadrahimi, Seyed-Yaghob Moaddab, Neda Lotfi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dyspepsia : CK(371) : AC(44), Helicobacter Pylori Infection : CK(966) : AC(207)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Gastroprotective : CK(955) : AC(388)

Hemodialysis (AC 1) (CK 10)

Daily administration of 1,000 mg ginger reduces serum triglyceride concentration, which is a risk factor for cardiovascular disease in peritoneal dialysis patients.

Pubmed Data : Perit Dial Int. 2015 Oct 16. Epub 2015 Oct 16. PMID: 26475844

Article Published Date : Oct 15, 2015

Authors : Hadi Tabibi, Hossein Imani, Shahnaz Atabak, Iraj Najafi, Mehdi Hedayati, Leila Rahmani

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiovascular Disease: Prevention : CK(6355) : AC(1018), Hemodialysis : CK(950) : AC(99), Triglycerides: Elevated : CK(916) : AC(152)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Risk Reduction : CK(15144) : AC(1708)

Hepatic Steatosis (AC 1) (CK 2)

Zingiber mioga reduces weight gain, insulin resistance and hepatic gluconeogenesis in diet-induced obese mice.

Pubmed Data : Exp Ther Med. 2016 Jul ;12(1):369-376. Epub 2016 May 11. PMID: 27347064

Article Published Date : Jun 30, 2016

Authors : DA-Hye Lee, Jiyun Ahn, Young Jin Jang, Tae-Youl Ha, Chang Hwa Jung

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Hepatic Steatosis : CK(325) : AC(124), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

High Cholesterol (AC 2) (CK 20)

Ginger has a significant lipid lowering effect compared to placebo.

Pubmed Data : Saudi Med J. 2008 Sep;29(9):1280-4. PMID: 18813412

Article Published Date : Sep 01, 2008

Authors : Reza Alizadeh-Navaei, Fatemeh Roozbeh, Mehrdad Saravi, Mehdi Pouramir, Farzad Jalali, Ali A Moghadamnia

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cholesterol: High : CK(1592) : AC(244), High Cholesterol : CK(2715) : AC(455), Hypercholesterolemia : CK(2333) : AC(408), Hyperlipidemia : CK(1569) : AC(402)

The herbal remedies examined had significantly beneficial effects on cholesterol in T2D patients.

Pubmed Data : Rev Diabet Stud. 2014 Fall-Winter;11(3-4):258-66. Epub 2015 Feb 10. PMID: 26177486

Article Published Date : Aug 31, 2014

Authors : Paria Azimi, Reza Ghiasvand, Awat Feizi, Mitra Hariri, Behnoud Abbasi

Study Type : Human Study
Additional Links
Substances : Cardamom : CK(42) : AC(11), Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), High Cholesterol : CK(2715) : AC(455)
Pharmacological Actions : Anticholesteremic Agents : CK(3078) : AC(530)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

High Fat Diet (AC 2) (CK 4)

Impacts of the independent and synergistic effects of curcuma and mangosteen extracts on the gut bacterial composition in lean and obese rats.

Pubmed Data : Microb Pathog. 2021 Feb 11 ;153:104794. Epub 2021 Feb 11. PMID: 33581279

Article Published Date : Feb 10, 2021

Authors : Ranyah Shaker M Labban, Hanan A ALfawaz, Nadine Ms Moubayed, Yasser Al- Shawakir, Afaf El-Ansary

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Mangosteen : CK(152) : AC(77)
Diseases : Dysbiosis : CK(1527) : AC(422), High Fat Diet : CK(1267) : AC(602)

Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506)

These results demonstrated that sustained activation of the PPARδ pathway with GE attenuated diet-induced obesity and improved exercise endurance capacity.

Pubmed Data : J Nutr Biochem. 2015 May 28. Epub 2015 May 28. PMID: 26101135

Article Published Date : May 27, 2015

Authors : Koichi Misawa, Kojiro Hashizume, Masaki Yamamoto, Yoshihiko Minegishi, Tadashi Hase, Akira Shimotoyodome

Study Type : Animal Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : High Fat Diet : CK(1267) : AC(602), Obesity : CK(6879) : AC(1686)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774), Plant Extracts : CK(14140) : AC(5210)

High Fructose Diet (AC 2) (CK 4)

The combination of ginger powder and zinc supplement improves the fructose-induced metabolic syndrome.

Pubmed Data : J Food Biochem. 2020 Nov 3:e13546. Epub 2020 Nov 3. PMID: 33145794

Article Published Date : Nov 02, 2020

Authors : Zana Ahmed Mustafa, Rojgar Hamed Ali, Dler Rostum Ali, Rahim Abdulkarimi, Nashwan K Abdulkareem, Abolfazl Akbari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zinc : CK(1486) : AC(267)
Diseases : High Fructose Diet : CK(383) : AC(147), Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hepatoprotective : CK(5098) : AC(2264), NF-kappaB Inhibitor : CK(3536) : AC(2098)

These data provide new insights into the preventive approach of zingerone against the development of the NAFLD.

Pubmed Data : Gen Physiol Biophys. 2016 Apr ;35(2):185-94. Epub 2016 Feb 26. PMID: 26915720

Article Published Date : Mar 31, 2016

Authors : Jeyabarathy Muniandy Narayanan, Victor A S Jesudoss

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : High Fructose Diet : CK(383) : AC(147), Nonalcoholic fatty liver disease (NAFLD) : CK(1862) : AC(521)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Hydatidosis (AC 1) (CK 1)

Ginger has an important anti-hydatic effect in vitro.

Pubmed Data : Asian Pac J Trop Med. 2016 Aug ;9(8):749-56. Epub 2016 Jun 29. PMID: 27569883

Article Published Date : Jul 31, 2016

Authors : Manel Amri, Chafia Touil-Boukoffa

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Hydatidosis : CK(3) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121), Immunomodulatory : CK(4048) : AC(1475)

Hypercholesterolemia (AC 2) (CK 12)

Adding ginger to daily diet of diabetic patients has useful effects and may ameliorate diabetes complications.

Pubmed Data : Avicenna J Med Biotechnol. 2019 Jul-Sep;11(3):234-238. PMID: 31379996

Article Published Date : Jun 30, 2019

Authors : Shirin Azizidoost, Zahra Nazeri, Asma Mohammadi, Ghorban Mohammadzadeh, Maryam Cheraghzadeh, Alireza Jafari, Alireza Kheirollah

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009), Hypercholesterolemia : CK(2333) : AC(408)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)

Ginger has a significant lipid lowering effect compared to placebo.

Pubmed Data : Saudi Med J. 2008 Sep;29(9):1280-4. PMID: 18813412

Article Published Date : Sep 01, 2008

Authors : Reza Alizadeh-Navaei, Fatemeh Roozbeh, Mehrdad Saravi, Mehdi Pouramir, Farzad Jalali, Ali A Moghadamnia

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cholesterol: High : CK(1592) : AC(244), High Cholesterol : CK(2715) : AC(455), Hypercholesterolemia : CK(2333) : AC(408), Hyperlipidemia : CK(1569) : AC(402)

Hyperglycemia (AC 1) (CK 10)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: 25719344

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148), Hyperglycemia : CK(1494) : AC(453), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)

Hyperinsulinism (AC 1) (CK 2)

Ginger has a beneficial effect on fructose induced hyperlipidemia an dhyperinsulinemia in rats.

Pubmed Data : Indian J Exp Biol. 2005 Dec;43(12):1161-4. PMID: 16359128

Article Published Date : Dec 01, 2005

Authors : Sanjay V Kadnur, Ramesh K Goyal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Fructose-Induced Toxicity : CK(203) : AC(75), Hyperinsulinism : CK(326) : AC(70), Hyperlipidemia : CK(1569) : AC(402), Metabolic Syndrome X : CK(2073) : AC(376)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Hyperlipidemia (AC 9) (CK 25)

Ginger as a nutraceutical: Focus on the metabolic, analgesic, and antiinflammatory effects.

Pubmed Data : Phytother Res. 2020 Dec 5. Epub 2020 Dec 5. PMID: 33278054

Article Published Date : Dec 04, 2020

Authors : Ester Pagano, Eliana B Souto, Alessandra Durazzo, Javad Sharifi-Rad, Massimo Lucarini, Selma B Souto, Bahare Salehi, Wissam Zam, Vittorino Montanaro, Giuseppe Lucariello, Angelo A Izzo, Antonello Santini, Barbara Romano

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Dysmenorrhea : CK(692) : AC(71), Hyperlipidemia : CK(1569) : AC(402), Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger could protect alcohol-induced myocardial damage by suppression of hyperlipidemia and cardiac biomarkers.

Pubmed Data : Pharmacogn Mag. 2017 Jan ;13(Suppl 1):S69-S75. Epub 2017 Apr 7. PMID: 28479729

Article Published Date : Dec 31, 2016

Authors : Ganjikunta Venkata Subbaiah, Korivi Mallikarjuna, Bhasha Shanmugam, Sahukari Ravi, Patan Usnan Taj, Kesireddy Sathyavelu Reddy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger extract might be considered as an alternative therapeutic strategy in the management of overweight and hepatic and metabolic alterations.

Pubmed Data : Appl Physiol Nutr Metab. 2017 Feb ;42(2):209-215. Epub 2016 Nov 2. PMID: **28125276**

Article Published Date : Jan 31, 2017

Authors : Natalia de Las Heras, María Valero-Muñoz, Beatriz Martín-Fernández, Sandra Ballesteros, Antonio López-Farré, Baltasar Ruiz-Roso, Vicente Lahera

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Hyperlipidemia : CK(1569) : AC(402), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger has a beneficial effect on fructose induced hyperlipidemia an dhyperinsulinemia in rats.

Pubmed Data : Indian J Exp Biol. 2005 Dec;43(12):1161-4. PMID: **16359128**

Article Published Date : Dec 01, 2005

Authors : Sanjay V Kadnur, Ramesh K Goyal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Fructose-Induced Toxicity : CK(203) : AC(75), Hyperinsulinism : CK(326) : AC(70), Hyperlipidemia : CK(1569) : AC(402), Metabolic Syndrome X : CK(2073) : AC(376)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger has a protective effect against dyslipidemia in diabetic rats.

Pubmed Data : J Ethnopharmacol. 2005 Feb 28;97(2):227-30. PMID: **15707757**

Article Published Date : Feb 28, 2005

Authors : Uma Bhandari, Raman Kanojia, K K Pillai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cholesterol: LDL/HDL ratio : CK(556) : AC(67), Diabetes: Cardiovascular Illness : CK(707) : AC(111), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger has a significant lipid lowering effect compared to placebo.

Pubmed Data : Saudi Med J. 2008 Sep;29(9):1280-4. PMID: **18813412**

Article Published Date : Sep 01, 2008

Authors : Reza Alizadeh-Navaei, Fatemeh Roozbeh, Mehrdad Saravi, Mehdi Pouramir, Farzad Jalali, Ali A Moghadamnia

Study Type : Human Study

Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cholesterol: High : CK(1592) : AC(244), High Cholesterol : CK(2715) : AC(455), Hypercholesterolemia : CK(2333) : AC(408), Hyperlipidemia : CK(1569) : AC(402)

Green tea and ginger extracts have a significant hypoglycemic effect in diabetic rabbits.

Pubmed Data : Acta Pol Pharm. 2015 May-Jun;72(3):497-506. PMID: **26642658**

Article Published Date : Apr 30, 2015

Authors : Ahmed Elkirdasy, Saad Shousha, Abdulmohsen H Alrohaimi, M Faiz Arshad

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

In vitro antioxidant and in vivo lipid-lowering properties of Zingiber officinale crude aqueous extract.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:9734390. Epub 2019 Jul 9. PMID: **31360211**

Article Published Date : Dec 31, 2018

Authors : Oussama Bekkouch, Mohamed Harnafi, Ilham Touiss, Saloua Khatib, Hicham Harnafi, Chakib Alem, Souliman Amrani

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Pretreatment with zingerone prevented hyperlipidaemia and cardiac hypertrophy.

Pubmed Data : J Biochem Mol Toxicol. 2015 Apr ;29(4):182-8. Epub 2015 Jan 5. PMID: **25558849**

Article Published Date : Mar 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Cardiac Hypertrophy : CK(152) : AC(84), Hyperlipidemia : CK(1569) : AC(402), Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675)

Hypersensitivity: Respiratory (AC 1) (CK 1)

An extract of Z. cassumunar and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: **25840633**

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Allergic Airway Diseases : CK(80) : AC(32), Allergies : CK(1381) : AC(280), Hypersensitivity: Respiratory : CK(12) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Enzyme Inhibitors : CK(692) : AC(347), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Hypertension (AC 5) (CK 9)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: **31531114**

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Aging : CK(3728) : AC(933), Alzheimer's Disease : CK(3372) : AC(1307), Hypertension : CK(6384) : AC(950), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396)

Anti-diabetic activity of Zingiber officinale in streptozotocin-induced type I diabetic rats.

Pubmed Data : J Pharm Pharmacol. 2004 Jan ;56(1):101-5. PMID: **14980006**

Article Published Date : Dec 31, 2003

Authors : Sanjay P Akhani, Santosh L Vishwakarma, Ramesh K Goyal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1: Prevention : CK(320) : AC(75), Hypertension : CK(6384) : AC(950)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin-releasing : CK(122) : AC(49)
Additional Keywords : Phytotherapy : CK(3062) : AC(812)
Problem Substances : Insulin : CK(384) : AC(68)

Ginger and turmeric rhizomes decreased the anti-inflammatory cytokines in hypertensive rats.

Pubmed Data : Planta Med. 2016 Mar 22. Epub 2016 Mar 22. PMID: **27002391**

Article Published Date : Mar 21, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Thiago Duarte, Marta Duarte, Aline Augusti Boligon, Margareth Linde Athayde, Akintunde Afolabi Akindahunsi, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study
Additional Links

Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Hypertension : CK(6384) : AC(950), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger lowers blood pressure through blockade of voltage-dependent calcium channels.

Pubmed Data : J Cardiovasc Pharmacol. 2005 Jan;45(1):74-80. PMID: 15613983

Article Published Date : Jan 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Hypertension : CK(6384) : AC(950)
Pharmacological Actions : Antihypertensive Agents : CK(4527) : AC(683), Calcium Channel Blockers : CK(98) : AC(29)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Supplementation with turmeric or ginger modulated the hydrolysis of ATP, ADP and AMP.

Pubmed Data : Phytother Res. 2016 May 6. Epub 2016 May 6. PMID: 27151061

Article Published Date : May 05, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Hypertension : CK(6384) : AC(950)
Pharmacological Actions : Antihypertensive Agents : CK(4527) : AC(683)

Hyperuricemia (AC 1) (CK 2)

6-Shogaol, a compound found within ginger, exerts a strong anti-inflammatory activity against urate crystal-induced inflammation in mice.

Pubmed Data : Methods Find Exp Clin Pharmacol. 2010 Sep;32(7):467-73. PMID: 19819286

Article Published Date : Sep 01, 2010

Authors : Evan Prince Sabina, Mahaboobkhan Rasool, Lazar Mathew, Panneerselvam Ezilrani, Haridas Indu

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gout : CK(135) : AC(32), Hyperuricemia : CK(510) : AC(118)

Hypoglycemia (AC 1) (CK 1)

The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α-glycosidase enzymes.

Pubmed Data : J Biochem Mol Toxicol. 2017 Dec ;31(12). Epub 2017 Sep 13. PMID: 28902458

Article Published Date : Nov 30, 2017

Authors : Parham Taslimi, Cuneyt Caglayan, İlhami Gulcin

Study Type : In Vitro Study
Additional Links
Substances : Carvacrol : CK(219) : AC(118), Chrysin : CK(436) : AC(269), Citrus naringin : CK(401) : AC(221), Ginger : CK(1514) : AC(444), Hesperidin : CK(545) : AC(215), Polyphenols : CK(1878) : AC(700)
Diseases : Hypoglycemia : CK(345) : AC(83)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Alpha-glucosidase inhibitor : CK(274) : AC(201), Hypoglycemic Agents : CK(5366) : AC(1338)

Indigestion: Fats (AC 1) (CK 2)

Dietary ginger and other spice compounds enhance fat digestion and absorption in high-fat fed situation through enhanced secretion of bile salts and a stimulation of the activity pancreatic lipase.

Pubmed Data : J Sci Food Agric. 2011 Sep 14. Epub 2011 Sep 14. PMID: 21918995

Article Published Date : Sep 13, 2011

Authors : Usha Ns Prakash, Krishnapura Srinivasan

Study Type : Animal Study
Additional Links
Substances : Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Piperine : CK(320) : AC(159)
Diseases : Fat Malabsorption : CK(2) : AC(1), Indigestion: Fats : CK(2) : AC(1), Steatorrhea : CK(12) : AC(3)
Pharmacological Actions : Enzyme Inhibitors: Pancreatic Lipase : CK(46) : AC(19)

Infection: Antibiotic Resistant (AC 1) (CK 1)

Antibacterial effect of Allium sativum cloves and Zingiber officinale rhizomes against multiple-drug resistant clinical pathogens.

Pubmed Data : Asian Pac J Trop Biomed. 2012 Aug ;2(8):597-601. PMID: 23569978

Article Published Date : Jul 31, 2012

Authors : Ponmurugan Karuppiah, Shyamkumar Rajaram

Study Type : Bacterial
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444)

Diseases : Bacterial Infections: Resistance/Biofilm Formation : CK(425) : AC(201), Infection: Antibiotic Resistant : CK(611) : AC(292)

Infertility: Female (AC 1) (CK 2)

Ginger might improve female fertility.

Pubmed Data : J Chin Med Assoc. 2018 Aug 7. Epub 2018 Aug 7. PMID: 30093285

Article Published Date : Aug 06, 2018

Authors : Nafiye Yılmaz, Banu Seven, Hakan Timur, Ayçağ Yorgancı, Hasan Ali İnal, Müberra Namlı Kalem, Ziya Kalem, Özge Han, Banu Bilezikçi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Infertility: Female : CK(541) : AC(127)
Pharmacological Actions : Fertility Agents: Female : CK(90) : AC(18)

Inflammation (AC 35) (CK 78)

6-Gingerol, a compound found within ginger, inhibits inflammation.

Pubmed Data : Biochem Biophys Res Commun. 2009 Apr 24;382(1):134-9. Epub 2009 Mar 4. PMID: 19268427

Article Published Date : Apr 24, 2009

Authors : Tzung-Yan Lee, Ko-Chen Lee, Shih-Yuan Chen, Hen-Hong Chang

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: 23717767

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Inflammation : CK(9572) : AC(3089), Liver Disease: Oxidative Stress : CK(12) : AC(6), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antioxidants : CK(21528) : AC(8856), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Gastrointestinal Agents : CK(3145) : AC(843)

A subcritical water extract of soil grown Zingiber officinale Roscoe: Comparative analysis of antioxidant and anti-inflammatory effects.

Pubmed Data : Front Pharmacol. 2023 ;14:1006265. Epub 2023 Feb 8. PMID: **36843947**

Article Published Date : Dec 31, 2022

Authors : Azraul Mumtazah Razak, Siti Nor Asyikin Zakaria, Nur Fathiah Abdul Sani, Nazirah Ab Rani, Nur Haleeda Hakimi, Mazlina Mohd Said, Jen Kit Tan, Han Kwang Gan, Mariam Firdhaus Mad Nordin, Suzana Makpol

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Active compounds in Zingiber officinale as possible redox inhibitors of 5-lipoxygenase using an in silico approach.

Pubmed Data : Int J Mol Sci. 2022 May 29 ;23(11). Epub 2022 May 29. PMID: **35682770**

Article Published Date : May 28, 2022

Authors : Jaqueline Stephanie Ley-Martínez, Jose Erick Ortega-Valencia, Oscar García-Barradas, Maribel Jiménez-Fernández, Esmeralda Uribe-Lam, Carlos Iván Vencedor-Meraz, Jacqueline Oliva-Ramírez

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : 5-Lipoxygenase Inhibitor : CK(35) : AC(21), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Anti-inflammatory activity of ginger modulates macrophage activation against the inflammatory pathway of monosodium glutamat.

Pubmed Data : J Food Biochem. 2021 Jun 22:e13819. Epub 2021 Jun 22. PMID: **34159624**

Article Published Date : Jun 21, 2021

Authors : Mai Abd El Hady Mousa, Hemmat Mansour, Fatma Eid, Alya Mashaal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328), Ulcerative Colitis : CK(666) : AC(196)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Polysaccharides : CK(625) : AC(392)
Problem Substances : Monosodium Glutamate (MSG) : CK(225) : AC(87)

Benefits of ginger and Its constituent 6-shogaol in inhibiting inflammatory processes.

Pubmed Data : Pharmaceuticals (Basel). 2021 Jun 15 ;14(6). Epub 2021 Jun 15. PMID: **34203813**

Article Published Date : Jun 14, 2021

Authors : Iris Bischoff-Kont, Robert Fürst

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Can an anti-inflammatory diet be effective in preventing or treating viral respiratory diseases?

Pubmed Data : Clin Nutr ESPEN. 2021 06 ;43:9-15. Epub 2021 Apr 24. PMID: **34024569**

Article Published Date : Dec 31, 2020

Authors : Farhad Vahid, Diana Rahmani

Study Type : Review
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Omega-3 Fatty Acids : CK(4672) : AC(633), Onion : CK(420) : AC(124), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Adenoviridae Infections : CK(14) : AC(14), Coronavirus Infection : CK(1230) : AC(410), Inflammation : CK(9572) : AC(3089), Influenza : CK(1407) : AC(288), Rhinovirus Infection : CK(83) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Cardiac delayed repolarisation and atrioventricular conduction in rats with diabetes were halted by zingerone.

Pubmed Data : PLoS One. 2017 ;12(12):e0189074. Epub 2017 Dec 5. PMID: **29206854**

Article Published Date : Dec 31, 2016

Authors : Hany M El-Bassossy, Wafaa S Al-Thubiani, Ahmed A Elberry, Mohammad I Mujallid, Salah A Ghareib, Ahmad S Azhar, Zainy M Banjar, Malcolm L Watson

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675)

Comparison of phytochemicals, antioxidant and anti-inflammatory properties of sun-, oven- and freeze-dried ginger extracts.

Pubmed Data : Foods. 2019 Oct 6 ;8(10). Epub 2019 Oct 6. PMID: **31590464**

Article Published Date : Oct 05, 2019

Authors : Iswaibah Mustafa, Nyuk Ling Chin, Sharida Fakurazi, Arulselvan Palanisamy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Effect of ginger on inflammatory diseases.

Pubmed Data : Molecules. 2022 Oct 25 ;27(21). Epub 2022 Oct 25. PMID: **36364048**

Article Published Date : Oct 24, 2022

Authors : Pura Ballester, Begoña Cerdá, Raúl Arcusa, Javier Marhuenda, Karen Yamedjeu, Pilar Zafrilla

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Arthritis : CK(3858) : AC(899), Inflammation : CK(9572) : AC(3089), Psoriasis : CK(594) : AC(144)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Encapsulation of ginger extract in nanoemulsions: preparation,

characterization and in vivo evaluation in rheumatoid arthritis.

Pubmed Data : J Pharm Sci. 2023 Jun ;112(6):1687-1697. Epub 2023 Feb 10. PMID: **36773928**

Article Published Date : May 31, 2023

Authors : Hassan Maleki, Hediyeh Azadi, Yaser Yousefpoor, Mahtab Doostan, Maryam Doostan, Mohammad Hosein Farzaei

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Ginger and cinnamon intake have positive effects on inflammation and muscle soreness endued by exercise in Iranian female athletes.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S11-5. PMID: **23717759**

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Awat Feizi, Mitra Hariri, Leila Darvishi, Azam Barani, Maryam Taghiyar, Afshin Shiranian, Maryam Hajishafiee

Study Type : Human Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Muscle Soreness: Exercise-Induced : CK(204) : AC(22)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger and turmeric rhizomes decreased the anti-inflammatory cytokines in hypertensive rats.

Pubmed Data : Planta Med. 2016 Mar 22. Epub 2016 Mar 22. PMID: **27002391**

Article Published Date : Mar 21, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Thiago Duarte, Marta Duarte, Aline Augusti Boligon, Margareth Linde Athayde, Akintunde Afolabi Akindahunsi, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Hypertension : CK(6384) : AC(950), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger can improve rheumatoid arthritis by decreasing disease manifestations in patients.

Pubmed Data : Gene. 2019 May 25 ;698:179-185. Epub 2019 Mar 4. PMID: **30844477**

Article Published Date : May 24, 2019

Authors : Naheed Aryaeian, Farhad Shahram, Mahdi Mahmoudi, Hajar Tavakoli, Bahman Yousefi, Tahereh Arablou, Sahar Jafari Karegar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger decreases the negative metabolic consequences induced by

high-refined carbohydrate diet.

Pubmed Data : J Med Food. 2018 Oct 26. Epub 2018 Oct 26. PMID: 30362875

Article Published Date : Oct 25, 2018

Authors : Cíntia Tarabal Oliveira, Débora Romualdo Lacerda, Marina Campos Zicker, Laís Bhering Martins, Mauro Martins Teixeira, Raquel Linhares Bello de Araujo, Adaliene Versiani Matos Ferreira

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hypolipidemic : CK(5358) : AC(1221)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: 30121057

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, HaliIİbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger has broad anti-inflammatory actions.

Pubmed Data : J Med Food. 2005 Summer;8(2):125-32. PMID: 16117603

Article Published Date : Jun 01, 2005

Authors : Reinhard Grzanna, Lars Lindmark, Carmelita G Frondoza

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)

Ginger inhibits micoglial cell activiation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: 19233241

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain: Microglial Activation : CK(164) : AC(98), Brain Inflammation : CK(1101) : AC(567), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Nitric Oxide Inhibitor : CK(498) : AC(258), Prostaglandin Antagonists : CK(27) : AC(13)

Ginger supplement along with NSPT may be effective in the improvement of inflammation, oxidative, and periodontal status in T2DM with chronic periodontitis.

Pubmed Data : Diabetes Metab Syndr Obes. 2019 ;12:1751-1761. Epub 2019 Sep 6. PMID: **32021341**

Article Published Date : Dec 31, 2018

Authors : Ahmad Zare Javid, Hadi Bazyar, Hasan Gholinezhad, Mehran Rahimlou, Homeira Rashidi, Parvin Salehi, Mohammad Hosein Haghighi-Zadeh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550), Periodontitis : CK(378) : AC(98)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Ginger's anti-inflammatory activity is mediated by inhibiting macrophage and neutrophils activation.

Pubmed Data : J Ethnopharmacol. 2017 Dec 15. Epub 2017 Dec 15. PMID: **29253614**

Article Published Date : Dec 14, 2017

Authors : Shahira M Ezzat, Marwa I Ezzat, Mona M Okba, Esther T Menze, Ashraf B Abdel-Naim

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Postaglandin PGE2 downregulation : CK(202) : AC(110), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Hepatoprotective effects of moderate-intensity interval training along with ginger juice in an old male rat model.

Pubmed Data : Pflugers Arch. 2023 Apr ;475(4):437-452. Epub 2023 Jan 24. PMID: **36692542**

Article Published Date : Mar 31, 2023

Authors : Omid Abazari, Abolfazl Shakibaee, Alireza Shahriary, Ehsan Arabzadeh, Martin Hofmeister

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: **20211236**

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Aging : CK(3728) : AC(933), Cancers: All : CK(28241) : AC(10590), Cardiovascular Diseases : CK(12780) : AC(1983), Dementia : CK(1689) : AC(279), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Natural herbs are safe, effective and better options as anti-

inflammatory agents than synthetic ones.

Pubmed Data : Recent Pat Inflamm Allergy Drug Discov. 2018 Jan 15. Epub 2018 Jan 15. PMID: 29336271

Article Published Date : Jan 14, 2018

Authors : Mohd Iqbal Yatoo, Arumugam Gopalakrishnan, Archana Saxena, Oveas Rafiq Parray, Noore Alam Tufani, Sandip Chakraborty, Ruchi Tiwari, Kuldeep Dhama, Hafiz M N Iqbal

Study Type : Review
Additional Links
Substances : Blueberry : CK(721) : AC(250), Cat's Claw : CK(61) : AC(28), Ginger : CK(1514) : AC(444), Nettle : CK(274) : AC(109), Olive : CK(1072) : AC(393), Turmeric : CK(7078) : AC(3169)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Nutraceuticals derived from such spices as turmeric, red pepper, black pepper, licorice, clove, ginger, garlic, coriander, and cinnamon target inflammatory pathways, thereby preventing neurodegenerative diseases.

Pubmed Data : Mol Neurobiol. 2011 Oct ;44(2):142-59. Epub 2011 Mar 1. PMID: 21360003

Article Published Date : Oct 01, 2011

Authors : Ramaswamy Kannappan, Subash Chandra Gupta, Ji Hye Kim, Simone Reuter, Bharat Bhushan Aggarwal

Study Type : Review
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Cinnamon : CK(665) : AC(196), Clove : CK(177) : AC(99), Coriandor : CK(4) : AC(4), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Licorice : CK(697) : AC(305), Red Pepper : CK(4) : AC(3)
Diseases : Inflammation : CK(9572) : AC(3089), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Polyphenol-rich Indian ginger cultivars ameliorate GLUT4 activity in C2C12 cells, inhibit diabetes-related enzymes and LPS-induced inflammation.

Pubmed Data : J Food Biochem. 2021 Feb ;45(2):e13600. Epub 2021 Jan 5. PMID: 33403698

Article Published Date : Jan 31, 2021

Authors : Meenakshi Venkateswaran, Sasidharan Jayabal, Shanmugam Hemaiswarya, Selvakumar Murugesan, Subudhi Enkateswara, Mukesh Doble, Sureshkumar Periyasamy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hypoglycemic Agents : CK(5366) : AC(1338)

Red ginger oil has antihyperalgesia activity in mice with chronic pain and could be developed further to be antihyperalgesia.

Pubmed Data : Pak J Pharm Sci. 2019 Jul ;32(4):1663-1669. PMID: 31608888

Article Published Date : Jun 30, 2019

Authors : Fifteen Aprila Fajrin, Azham Purwandhono, Fransisca Maria Christianty, Gati Dwi Sulistyaningrum, - Afifah, Nidia Imandasari, Tsabit Barki

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Suppression of inflamm-aging by Moringa oleifera and Zingiber officinale in the prevention of degenerative diseases.

Pubmed Data : Molecules. 2023 Aug 3 ;28(15). Epub 2023 Aug 3. PMID: **37570837**

Article Published Date : Aug 02, 2023

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Moringa oleifera : CK(460) : AC(245)
Diseases : Aging : CK(3728) : AC(933), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Suppressive effects of mioga ginger and ginger constituents on reactive oxygen and nitrogen species generation, and the expression of inducible pro-inflammatory genes in macrophages.

Pubmed Data : Antioxid Redox Signal. 2005 Nov-Dec;7(11-12):1621-9. PMID: **16356125**

Article Published Date : Oct 31, 2005

Authors : Ha Won Kim, Akira Murakami, Masako Abe, Yoshio Ozawa, Yasujiro Morimitsu, Marshall V Williams, Hajime Ohigashi

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Synergistic anti-inflammatory activity of ginger and turmeric extracts.

Pubmed Data : Molecules. 2022 Jun 16 ;27(12). Epub 2022 Jun 16. PMID: **35745000**

Article Published Date : Jun 15, 2022

Authors : Xian Zhou, Sualiha Afzal, Hans Wohlmuth, Gerald Münch, David Leach, Mitchell Low, Chun Guang Li

Study Type : In Vitro Study
Additional Links
Substances : Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506), Plant Extracts : CK(14140) : AC(5210)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: **25889965**

Article Published Date : Dec 31, 2014

Authors : Analhuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Colon Cancer : CK(1493) : AC(954), Colorectal Cancer : CK(3666) : AC(1651), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance Synergy : CK(1094) : AC(506)

These findings suggested that ginger and zingerone were likely to be broad-spectrum anti-inflammatory agents in most organs.

Pubmed Data : J Agric Food Chem. 2015 Jul 8 ;63(26):6051-8. Epub 2015 Jun 24. PMID: 26073629

Article Published Date : Jul 07, 2015

Authors : Chien-Yun Hsiang, Hui-Man Cheng, Hsin-Yi Lo, Chia-Cheng Li, Pei-Chi Chou, Yu-Chen Lee, Tin-Yun Ho

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: 28505392

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Metabolic Syndrome X : CK(2073) : AC(376), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingerone could be a potential therapeutic agent for treatment of various severe vascular inflammatory diseases.

Pubmed Data : Arch Pharm Res. 2018 Mar ;41(3):276-287. Epub 2017 May 16. PMID: 28508944

Article Published Date : Feb 28, 2018

Authors : Gahee Min, Sae-Kwang Ku, Taeho Lee, Jong-Sup Bae

Study Type : Animal Study, Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Sepsis : CK(952) : AC(276)
Pharmacological Actions : Cytoprotective : CK(659) : AC(326)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: 29117507

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Ultraviolet Radiation Induced Damage : CK(461) : AC(215)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Photoprotective : CK(446) : AC(198), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone therapy significantly protected liver from endotoxin induced inflammatory damage

Pubmed Data : PLoS One. 2014 ;9(9):e106536. Epub 2014 Sep 3. PMID: 25184525

Article Published Date : Dec 31, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Antibiotic Toxicity : CK(316) : AC(82), Endotoxemia : CK(219) : AC(91), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Antibiotics : CK(703) : AC(132)

Inflammatory Bowel Diseases (AC 2) (CK 3)

Ginger and its constituents: Role in treatment of inflammatory bowel disease.

Pubmed Data : Biofactors. 2021 Dec 9. Epub 2021 Dec 9. PMID: 34882874

Article Published Date : Dec 08, 2021

Authors : Naser-Aldin Lashgari, Nazanin Momeni Roudsari, Danial Khayatan, Maryam Shayan, Saeideh Momtaz, Basil D Roufogalis, Amir Hossein Abdolghaffari, Amirhossein Sahebkar

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammatory Bowel Diseases : CK(1994) : AC(540)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)

These findings suggested that Angelica sinensis and Zingiber officinale may be a promising supplement for current IBD therapy.

Pubmed Data : Int J Mol Sci. 2019 Aug 5 ;20(15). Epub 2019 Aug 5. PMID: 31387229

Article Published Date : Aug 04, 2019

Authors : Jia Liu, Ling Yu, Nuolan Mo, Hai Lan, Yan Zhang, Xin Liu, Qing Wu

Study Type : Animal Study
Additional Links
Substances : Angelica : CK(173) : AC(73), Ginger : CK(1514) : AC(444)
Diseases : Colitis : CK(840) : AC(406), Inflammatory Bowel Diseases : CK(1994) : AC(540)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Influenza (AC 3) (CK 6)

Can an anti-inflammatory diet be effective in preventing or treating viral respiratory diseases?

Pubmed Data : Clin Nutr ESPEN. 2021 06 ;43:9-15. Epub 2021 Apr 24. PMID: 34024569

Article Published Date : Dec 31, 2020

Authors : Farhad Vahid, Diana Rahmani

Study Type : Review

Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Omega-3 Fatty Acids : CK(4672) : AC(633), Onion : CK(420) : AC(124), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Adenoviridae Infections : CK(14) : AC(14), Coronavirus Infection : CK(1230) : AC(410), Inflammation : CK(9572) : AC(3089), Influenza : CK(1407) : AC(288), Rhinovirus Infection : CK(83) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Gingerenone A could be potentially useful for the control of influenza virus infections.

Pubmed Data : Viruses. 2020 10 8 ;12(10). Epub 2020 Oct 8. PMID: 33050000

Article Published Date : Jan 07, 2020

Authors : Jiongjiong Wang, Richard A Prinz, Xiufan Liu, Xiulong Xu

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Influenza : CK(1407) : AC(288)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Mixed polysaccharides derived from Shiitake mushroom, Poriacocos, Ginger, and Tangerine peel enhanced protective immune responses in mice induced by inactivated influenza vaccine.

Pubmed Data : Biomed Pharmacother. 2020 Mar 12 ;126:110049. Epub 2020 Mar 12. PMID: 32172063

Article Published Date : Mar 11, 2020

Authors : Hongmei Zhu, Minghua Hu, Dehai Wang, Guowei Xu, Xiquan Yin, Xin Liu, Mingxing Ding, Li Han

Study Type : Animal Study
Additional Links
Substances : Fruit Peel : CK(5) : AC(3), Ginger : CK(1514) : AC(444), Medicinal Mushrooms : CK(1715) : AC(797), Shiitake Mushroom : CK(90) : AC(47)
Diseases : Influenza : CK(1407) : AC(288)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475), Immunostimulatory : CK(633) : AC(192)

Insulin Resistance (AC 8) (CK 48)

"6]-Gingerol isolated from ginger attenuates sodium arsenite induced oxidative stress and plays a corrective role in improving insulin signaling in mice."

Pubmed Data : Toxicol Lett. 2012 Jan 10 ;210(1):34-43. Epub 2012 Jan 10. PMID: 22285432

Article Published Date : Jan 10, 2012

Authors : Debrup Chakraborty, Avinaba Mukherjee, Sourav Sikdar, Avijit Paul, Samrat Ghosh, Anisur Rahman Khuda-Bukhsh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Arsenic Poisoning : CK(243) : AC(91), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Insulin Sensitizers : CK(1185) : AC(244)

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3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: **25719344**

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148), Hyperglycemia : CK(1494) : AC(453), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: **22314994**

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Insulin Resistance : CK(3522) : AC(792), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15)

Ginger extract might be considered as an alternative therapeutic strategy in the management of overweight and hepatic and metabolic alterations.

Pubmed Data : Appl Physiol Nutr Metab. 2017 Feb ;42(2):209-215. Epub 2016 Nov 2. PMID: **28125276**

Article Published Date : Jan 31, 2017

Authors : Natalia de Las Heras, María Valero-Muñoz, Beatriz Martín-Fernández, Sandra Ballesteros, Antonio López-Farré, Baltasar Ruiz-Roso, Vicente Lahera

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Hyperlipidemia : CK(1569) : AC(402), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger has a beneficial effect on insulin resistance associated with fructose consumption.

Pubmed Data : Planta Med. 2012 Jan 10. Epub 2012 Jan 10. PMID: **22234408**

Article Published Date : Jan 10, 2012

Authors : Chia Ju Chang, Thing-Fong Tzeng, Yuan-Shiun Chang, I-Min Liu

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Insulin Sensitizers : CK(1185) : AC(244)
Problem Substances : Fructose : CK(458) : AC(133)

Ginger has a beneficial effect on type 2 diabetics.

Pubmed Data : Int J Food Sci Nutr. 2013 Mar 18. Epub 2013 Mar 18. PMID: 23496212

Article Published Date : Mar 17, 2013

Authors : Sepide Mahluji, Vahide Ebrahimzade Attari, Majid Mobasseri, Laleh Payahoo, Alireza Ostadrahimi, Samad Ej Golzari

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Insulin Sensitizers : CK(1185) : AC(244)

This study found that that taking green tea, capsaicin and ginger co-supplements for 8 weeks among overweight women had beneficial effects on weight, BMI, markers of insulin metabolism and plasma glutathione levels.

Pubmed Data : Ann Nutr Metab. 2017 ;70(4):277-285. Epub 2017 Jun 9. PMID: 28595182

Article Published Date : Jan 01, 2017

Authors : Mohsen Taghizadeh, Narjes Farzin, Sara Taheri, Mahnaz Mahlouji, Hossein Akbari, Fatemeh Karamali, Zatollah Asemi

Study Type : Human Study
Additional Links
Substances : Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057), Tea : CK(3620) : AC(755)
Diseases : Insulin Resistance : CK(3522) : AC(792), Obesity : CK(6879) : AC(1686), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidant Effects : CK(15) : AC(4), Insulin Sensitizers : CK(1185) : AC(244)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)
Problem Substances : Insulin : CK(384) : AC(68)

This study indicated that in diabetic hemodialysis patients, ginger could result to lower blood glucose levels, enhanced insulin sensitivity.

Pubmed Data : BMC Complement Med Ther. 2023 Feb 17 ;23(1):52. Epub 2023 Feb 17. PMID: 36800950

Article Published Date : Feb 16, 2023

Authors : Helya Rostamkhani, Parisa Veisi, Bahram Niknafs, Mohammad Asghari Jafarabadi, Zohreh Ghoreishi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Insulin Resistance : CK(3522) : AC(792), Kidney Failure: Chronic : CK(238) : AC(35)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)
Problem Substances : Insulin : CK(384) : AC(68)

Irritable Bowel Syndrome (AC 2) (CK 4)

Ginger relieves intestinal hypersensitivity of diarrhea predominant irritable bowel syndrome by inhibiting proinflammatory reaction.

Pubmed Data : BMC Complement Med Ther. 2020 Sep 14 ;20(1):279. Epub 2020 Sep 14. PMID: 32928188

Article Published Date : Sep 13, 2020

Authors : Changrong Zhang, Yongquan Huang, Peiwu Li, Xinlin Chen, Fengbin Liu, Qiuke Hou

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Irritable Bowel Syndrome : CK(1106) : AC(164)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Zingerone produced marked improvement in stress induced irritable bowel disorder

Pubmed Data : Phytomedicine. 2014 Mar 15 ;21(4):423-9. Epub 2013 Nov 18. PMID: **24262066**

Article Published Date : Mar 14, 2014

Authors : David Banji, Otilia J F Banji, Bandlapalli Pavani, Ch Kranthi Kumar, A R Annamalai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Irritable Bowel Syndrome : CK(1106) : AC(164), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Kidney Damage (AC 1) (CK 2)

Ginger has a protective effect against kidney damage associated with diabetes.

Pubmed Data : Chin J Physiol. 2011 Apr 30 ;54(2):79-86. PMID: **21789888**

Article Published Date : Apr 30, 2011

Authors : Shanmugam Kondeti Ramudu, Mallikarjuna Korivi, Nishanth Kesireddy, Li-Chen Lee, I-Shiung Cheng, Chia-Hua Kuo, Sathyavelu Reddy Kesireddy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Kidney Function : CK(84) : AC(27), Kidney Damage : CK(458) : AC(200)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Kidney Damage: Chemically-Induced (AC 7) (CK 13)

Ginger and zinc mixture protected against malathion induced toxicity to the liver and kidney.

Pubmed Data : Int J Immunopathol Pharmacol. 2015 Mar ;28(1):122-8. PMID: **25816415**

Article Published Date : Feb 28, 2015

Authors : Ahmed A Baiomy, Hossam F Attia, Mohamed M Soliman, Omar Makrum

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zinc : CK(1486) : AC(267)
Diseases : Chemical Exposure : CK(93) : AC(28), Chemically-Induced Liver Damage : CK(1565) : AC(721), Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Additional Keywords : Malathion Toxicity : CK(2) : AC(1), Zinc Chloride : CK(2) : AC(1)

Ginger extracts could have a potent protective effects against nephrotoxicity induced by various toxicants.

Pubmed Data : Saudi J Biol Sci. 2019 Feb ;26(2):382-389. Epub 2017 Aug 18. PMID: **31485182**

Article Published Date : Jan 31, 2019

Authors : Sami A Gabr, Ahmad H Alghadir, Gehan A Ghoniem

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Cadmium : CK(383) : AC(148)

Ginger showed a protection role in glyphosate-induced liver and kidney dysfunction, oxidative stress, immunosuppression in Nile tilapia.

Pubmed Data : Vet Res Commun. 2022 Jun 30. Epub 2022 Jun 30. PMID: **35773603**

Article Published Date : Jun 29, 2022

Authors : Afaf D Abdelmagid, Alshaimaa M Said, Eman A Abd El-Gawad, Sara A Shalaby, Mahmoud A O Dawood

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Glyphosate Toxicity : CK(394) : AC(151), Kidney Damage: Chemically-Induced : CK(25) : AC(13), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Glyphosate : CK(895) : AC(304)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: **30305562**

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Adenosine deaminase inhibitor : CK(20) : AC(7), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Protective effect of quercetin and ginger extract against dimethoate potentiated fluoride-induced nephrotoxicity.

Pubmed Data : Foods. 2023 May 5 ;12(9). Epub 2023 May 5. PMID: **37174437**

Article Published Date : May 04, 2023

Authors : Priyanka Sharma, Pawan Kumar Verma, Shilpa Sood, Rasia Yousuf, Amit Kumar, Rajinder Raina, Muhammad Asim Shabbir, Zuhaib F Bhat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Quercetin : CK(1179) : AC(590)
Diseases : Fluoride Toxicity : CK(306) : AC(114), Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Sodium Fluoride : CK(331) : AC(122)

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: 26698392

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone can be used as an effective therapeutic agent for the treatment of drug-induced nephrotoxicity.

Pubmed Data : Oxid Med Cell Longev. 2018 ;2018:2474831. Epub 2018 Jan 30. PMID: 29636837

Article Published Date : Dec 31, 2017

Authors : Mohammed M Safhi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Kidney Failure (AC 1) (CK 2)

Ginger and arabic gum may have therapeutic value in acute and chronic kidney failure.

Pubmed Data : Ren Fail. 2012 ;34(1):73-82. Epub 2011 Oct 21. PMID: 22017619

Article Published Date : Jan 01, 2012

Authors : Mona Fouad Mahmoud, Abdalla Ahmed Diaai, Fahmy Ahmed

Study Type : Animal Study
Additional Links
Substances : Arabic gum : CK(14) : AC(3), Ginger : CK(1514) : AC(444)
Diseases : Kidney Failure : CK(334) : AC(52), Kidney Failure: Acute : CK(63) : AC(14), Kidney Failure: Chronic : CK(238) : AC(35)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)

Kidney Failure: Acute (AC 1) (CK 2)

Ginger and arabic gum may have therapeutic value in acute and chronic kidney failure.

Pubmed Data : Ren Fail. 2012 ;34(1):73-82. Epub 2011 Oct 21. PMID: 22017619

Article Published Date : Jan 01, 2012

Authors : Mona Fouad Mahmoud, Abdalla Ahmed Diaai, Fahmy Ahmed

Study Type : Animal Study
Additional Links
Substances : Arabic gum : CK(14) : AC(3), Ginger : CK(1514) : AC(444)
Diseases : Kidney Failure : CK(334) : AC(52), Kidney Failure: Acute : CK(63) : AC(14), Kidney Failure: Chronic : CK(238) : AC(35)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)

Kidney Failure: Chronic (AC 2) (CK 12)

Ginger and arabic gum may have therapeutic value in acute and chronic kidney failure.

Pubmed Data : Ren Fail. 2012 ;34(1):73-82. Epub 2011 Oct 21. PMID: 22017619

Article Published Date : Jan 01, 2012

Authors : Mona Fouad Mahmoud, Abdalla Ahmed Diaai, Fahmy Ahmed

Study Type : Animal Study
Additional Links
Substances : Arabic gum : CK(14) : AC(3), Ginger : CK(1514) : AC(444)
Diseases : Kidney Failure : CK(334) : AC(52), Kidney Failure: Acute : CK(63) : AC(14), Kidney Failure: Chronic : CK(238) : AC(35)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)

This study indicated that in diabetic hemodialysis patients, ginger could result to lower blood glucose levels, enhanced insulin sensitivity.

Pubmed Data : BMC Complement Med Ther. 2023 Feb 17 ;23(1):52. Epub 2023 Feb 17. PMID: 36800950

Article Published Date : Feb 16, 2023

Authors : Helya Rostamkhani, Parisa Veisi, Bahram Niknafs, Mohammad Asghari Jafarabadi, Zohreh Ghoreishi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Insulin Resistance : CK(3522) : AC(792), Kidney Failure: Chronic : CK(238) : AC(35)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)
Problem Substances : Insulin : CK(384) : AC(68)

Lead Poisoning (AC 1) (CK 2)

Neuromodulatory effects of ethyl acetate fraction of Zingiber officinale Roscoe extract in rats with lead-induced oxidative stress.

Pubmed Data : J Integr Med. 2019 Jan 5. Epub 2019 Jan 5. PMID: 30660591

Article Published Date : Jan 04, 2019

Authors : Mary Abiola Okesola, Basiru Olaitan Ajiboye, Babatunji Emmanuel Oyinloye, Oluwafemi Adeleke Ojo

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lead Poisoning : CK(393) : AC(146)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Problem Substances : Lead : CK(526) : AC(162)

Leptin: Elevated Levels (AC 1) (CK 2)

Clove and fermented ginger supplementation possesses anti-diabetic properties and may help in the control of hyperleptinaemia in type 2 diabetes.

Pubmed Data : Niger J Physiol Sci. 2018 Jun 30 ;33(1):89-93. Epub 2018 Jun 30. PMID: 30091738

Article Published Date : Jun 29, 2018

Authors : A Abdulrazak, Y Tanko, A Mohammed, K A Mohammed, N M Sada, A Au Dikko

Study Type : Animal Study
Additional Links
Substances : Clove : CK(177) : AC(99), Fermented Foods and Beverages : CK(2588) : AC(607), Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Leptin: Elevated Levels : CK(36) : AC(14)
Pharmacological Actions : Leptin Down-Regulation : CK(23) : AC(8)

Lipid Peroxidation (AC 3) (CK 6)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: 26667466

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Lipid Peroxidation : CK(1632) : AC(631), Oxidative

Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: **27544404**

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Lipid Peroxidation : CK(1632) : AC(631)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone protected the rat's heart against isoproterenol-induced myocardial infarction.

Pubmed Data : J Biochem Mol Toxicol. 2015 Feb ;29(2):63-9. Epub 2014 Sep 30. PMID: **25271244**

Article Published Date : Jan 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Lipid Peroxidation : CK(1632) : AC(631), Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675)
Problem Substances : Isoproterenol : CK(65) : AC(35)

Lipopolysaccharide-Induced Toxicity (AC 9) (CK 13)

Ginger inhibits micoglial cell activiation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: **19233241**

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain: Microglial Activation : CK(164) : AC(98), Brain Inflammation : CK(1101) : AC(567), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Nitric Oxide Inhibitor : CK(498) : AC(258), Prostaglandin Antagonists : CK(27) : AC(13)

Polyphenol-rich Indian ginger cultivars ameliorate GLUT4 activity in C2C12 cells, inhibit diabetes-related enzymes and LPS-induced

inflammation.

Pubmed Data : J Food Biochem. 2021 Feb ;45(2):e13600. Epub 2021 Jan 5. PMID: 33403698

Article Published Date : Jan 31, 2021

Authors : Meenakshi Venkateswaran, Sasidharan Jayabal, Shanmugam Hemaiswarya, Selvakumar Murugesan, Subudhi Enkateswara, Mukesh Doble, Sureshkumar Periyasamy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hypoglycemic Agents : CK(5366) : AC(1338)

Suppressive effects of mioga ginger and ginger constituents on reactive oxygen and nitrogen species generation, and the expression of inducible pro-inflammatory genes in macrophages.

Pubmed Data : Antioxid Redox Signal. 2005 Nov-Dec;7(11-12):1621-9. PMID: 16356125

Article Published Date : Oct 31, 2005

Authors : Ha Won Kim, Akira Murakami, Masako Abe, Yoshio Ozawa, Yasujiro Morimitsu, Marshall V Williams, Hajime Ohigashi

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Synergistic anti-inflammatory activity of ginger and turmeric extracts.

Pubmed Data : Molecules. 2022 Jun 16 ;27(12). Epub 2022 Jun 16. PMID: 35745000

Article Published Date : Jun 15, 2022

Authors : Xian Zhou, Sualiha Afzal, Hans Wohlmuth, Gerald Münch, David Leach, Mitchell Low, Chun Guang Li

Study Type : In Vitro Study
Additional Links
Substances : Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506), Plant Extracts : CK(14140) : AC(5210)

These findings suggested that ginger and zingerone were likely to be broad-spectrum anti-inflammatory agents in most organs.

Pubmed Data : J Agric Food Chem. 2015 Jul 8 ;63(26):6051-8. Epub 2015 Jun 24. PMID: 26073629

Article Published Date : Jul 07, 2015

Authors : Chien-Yun Hsiang, Hui-Man Cheng, Hsin-Yi Lo, Chia-Cheng Li, Pei-Chi Chou, Yu-Chen Lee, Tin-Yun Ho

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: 26698392

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: **24412620**

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Lung Injury: Acute : CK(321) : AC(159)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone protects against lipopolysaccharide induced liver damage.

Pubmed Data : Chem Biol Interact. 2018 Feb 1 ;281:106-110. Epub 2017 Dec 28. PMID: **29289488**

Article Published Date : Jan 31, 2018

Authors : Wonhwa Lee, Mi-Hye Hwang, Yuri Lee, Jong-Sup Bae

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Zingiber mioga attenuates allergic asthma induced by ovalbumin challenge.

Pubmed Data : Mol Med Rep. 2015 Sep ;12(3):4538-4545. Epub 2015 Jun 11. PMID: **26063513**

Article Published Date : Aug 31, 2015

Authors : Na-Rae Shin, In-Sik Shin, Chan-Mi Jeon, Ju-Mi Hong, Ok-Kyoung Kwon, Hui-Seong Kim, Sei-Ryang Oh, Kyu-Woung Hahn, Kyung-Seop Ahn

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Asthma : CK(2488) : AC(486), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : interleukin-13 down-regulation : CK(90) : AC(47), Interleukin-4 downregulation : CK(355) : AC(128), Interleukin-5 downregulation : CK(120) : AC(49), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Listeria Infections (AC 1) (CK 1)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: 26132146

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study
Additional Links
Substances : Bay leaf : CK(58) : AC(30), Black Pepper : CK(714) : AC(307), Coriandor : CK(4) : AC(4), Cumin : CK(99) : AC(38), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Mustard Oil : CK(3) : AC(3), Mustard Oil : CK(3) : AC(3), Turmeric : CK(7078) : AC(3169)
Diseases : Bacillus Cereus infection : CK(29) : AC(28), Escherichia coli Infections : CK(401) : AC(297), Listeria Infections : CK(76) : AC(64), Micrococcus luteus infections : CK(5) : AC(5), Salmonella Infections : CK(149) : AC(113), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antimicrobial : CK(1209) : AC(582), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Essential Oils : CK(736) : AC(311), Natural Substance Synergy : CK(1094) : AC(506)

Liver Cancer (AC 4) (CK 4)

A novel zingerone derivative and zingerone synergistically suppresses hepatocellular carcinoma metastasis.

Pubmed Data : Bioorg Med Chem Lett. 2017 02 15 ;27(4):1081-1088. Epub 2016 Dec 20. PMID: 28110870

Article Published Date : Jan 14, 2017

Authors : Young-Joo Kim, Youngsic Jeon, Taejung Kim, Won-Chul Lim, Jungyeob Ham, Young Nyun Park, Tae-Jin Kim, Hyeonseok Ko

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Cancer Metastasis : CK(798) : AC(431), Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481)

Ginger polysaccharides induced cell cycle arrest and apoptosis in human hepatocellular carcinoma HepG2 cells.

Pubmed Data : Int J Biol Macromol. 2018 Nov 8 ;123:81-90. Epub 2018 Nov 8. PMID: 30414900

Article Published Date : Nov 07, 2018

Authors : Yun Wang, Shengxuan Wang, Rongzhen Song, Jingjing Cai, Jingjing Xu, Xiaozhen Tang, Ningyang Li

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)
Additional Keywords : Polysaccharides : CK(625) : AC(392)

This reviews the potential prevention and treatment activities of dietary natural products and their major bioactive constituents on liver cancer.

Pubmed Data : Nutrients. 2016 ;8(3). Epub 2016 Mar 10. PMID: 26978396

Article Published Date : Dec 31, 2015

Authors : Yue Zhou, Ya Li, Tong Zhou, Jie Zheng, Sha Li, Hua-Bin Li

Study Type : Review
Additional Links
Substances : Asparagus : CK(53) : AC(30), Beans: All : CK(151) : AC(38), Black Currant : CK(434) : AC(92), Cruciferous Vegetables : CK(1820) : AC(650), Ginger : CK(1514) : AC(444), Grape : CK(4560) : AC(1322), Plum : CK(98) : AC(33), Pomegranate : CK(1222) : AC(405), Rice Bran : CK(259) : AC(77), Tomato : CK(1225) : AC(303), Turmeric : CK(7078) : AC(3169)
Diseases : Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Chemopreventive : CK(5374) : AC(1717), Immunomodulatory : CK(4048) : AC(1475)
Additional Keywords : Natural Substance/Drug Synergy : CK(957) : AC(485)

Zingiberene targets the miR-16/cyclin-B1 axis to regulate the growth, migration and invasion of human liver cancer cells.

Pubmed Data : J BUON. 2020 Jul-Aug;25(4):1904-1910. PMID: 33099931

Article Published Date : Jun 30, 2020

Authors : Xiulan Peng, Renfeng Luo, Jingtao Li, Anbing He, Xia Wang, Huan Wan, Yahong Cai, Weiguo Dong, Jun Lin

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancer Metastasis : CK(798) : AC(431), Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), MicroRNA modulator : CK(1023) : AC(618)

Liver Cancer: Prevention (AC 3) (CK 6)

"Ginger extract (Zingiber officinale) has anti-cancer and anti-inflammatory effects on ethionine-induced hepatoma rats."

Pubmed Data : Clinics (Sao Paulo). 2008 Dec ;63(6):807-13. PMID: 19061005

Article Published Date : Dec 01, 2008

Authors : Shafina Hanim Mohd Habib, Suzana Makpol, Noor Aini Abdul Hamid, Srijit Das, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer: Prevention : CK(207) : AC(41)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antineoplastic Agents : CK(1847) : AC(1170), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

"Ginger ingredients inhibit the development of diethylnitrosoamine induced premalignant phenotype in rat chemical hepatocarcinogenesis model."

Pubmed Data : Biofactors. 2010 Nov-Dec;36(6):483-90. Epub 2010 Sep 24. PMID: 20872761

Article Published Date : Nov 01, 2010

Authors : Mahmoud A Mansour, Saleh A Bekheet, Salim S Al-Rejaie, Othman A Al-Shabanah, Tawfeq A Al-Howiriny, Ammar C Al-Rikabi, Ayman A Abdo

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer: Prevention : CK(207) : AC(41)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger (Zingiber officinale) prevents ethionine induced rat hepatocarcinogenesis.

Pubmed Data : Afr J Tradit Complement Altern Med. 2008 ;6(1):87-93. Epub 2008 Oct 25. PMID: 20162046

Article Published Date : Jan 01, 2008

Authors : Yasmin Anum Mohd Yusof, Norliza Ahmad, Srijit Das, Suhaniza Sulaiman, Nor Azian Murad

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer: Prevention : CK(207) : AC(41)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717)

Liver Damage (AC 1) (CK 2)

Ginger can have beneficial effects on health complications associated with unhealthy diet.

Pubmed Data : An Acad Bras Cienc. 2019 ;91(4):e20180975. Epub 2019 Nov 11. PMID: 31721920

Article Published Date : Dec 31, 2018

Authors : Dalila T Leal, Gleide G Fontes, Julia K D Villa, Rodrigo B Freitas, Mateus G Campos, Camilo A Carvalho, Virginia R Pizziolo, Marisa A N Diaz

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Damage : CK(2494) : AC(1121)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Anti Therapeutic Actions : Western Diet : CK(416) : AC(121)

Liver Damage: Aflatoxin-Induced (AC 1) (CK 2)

A phenolics rich extract of ginger had protective effects against Aflatoxin B1-induced oxidative stress and hepatotoxicity.

Pubmed Data : Biomed Pharmacother. 2017 May 2 ;91:415-424. Epub 2017 May 2. PMID: 28475920

Article Published Date : May 01, 2017

Authors : Vipin A V, Raksha Rao K, Nawneet Kumar Kurrey, Anu Appaiah K A, Venkateswaran G

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Liver Damage: Aflatoxin-Induced : CK(72) : AC(30)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Heme oxygenase-1 inducer : CK(57) : AC(39), Hepatoprotective : CK(5098) : AC(2264), Nrf2 activation : CK(1584) : AC(916)
Problem Substances : Aflatoxin : CK(56) : AC(8)

Liver Disease: Oxidative Stress (AC 1) (CK 1)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: 23717767

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Inflammation : CK(9572) : AC(3089), Liver Disease: Oxidative Stress : CK(12) : AC(6), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antioxidants : CK(21528) : AC(8856), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Gastrointestinal Agents : CK(3145) : AC(843)

Liver Fibrosis (AC 1) (CK 2)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: 21689445

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : ALT: Elevated : CK(70) : AC(11), AST: Elevated : CK(46) : AC(6), Liver Fibrosis : CK(560) : AC(253)
Pharmacological Actions : Glutathione Upregulation : CK(299) : AC(96), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15), Renoprotective : CK(2404) : AC(1075), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)

Liver Steatosis (AC 1) (CK 2)

Steamed ginger can decrease plasma total cholesterol and triglyceride and can inhibit liver steatosis by regulating the expressions of hepatic genes.

Pubmed Data : Nutr Res Pract. 2018 Dec ;12(6):503-511. Epub 2018 Nov 30. PMID: 30515278

Article Published Date : Nov 30, 2018

Authors : Hee-Jeong Kim, Bohkyung Kim, Eun-Gyung Mun, Soon-Yeon Jeong, Youn-Soo Cha

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Steatosis : CK(103) : AC(38)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501)

Liver Stress: Fructose-Induced (AC 1) (CK 2)

Treatment with ginger ameliorates fructose-induced Fatty liver and hypertriglyceridemia in rats.

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:570948. Epub 2012 Nov 6. PMID: 23193424

Article Published Date : Dec 31, 2011

Authors : Huanqing Gao, Tao Guan, Chunli Li, Guowei Zuo, Johji Yamahara, Jianwei Wang, Yuhao Li

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Fructose-Induced Toxicity : CK(203) : AC(75), Liver Stress: Fructose-Induced : CK(27) : AC(14)
Problem Substances : Fructose : CK(458) : AC(133)

Lung Cancer (AC 3) (CK 4)

Ginger contains the compound zerumbone, which inhibits colon and lung carcinogenesis in mice.

Pubmed Data : Int J Cancer. 2009 Jan 15;124(2):264-71. PMID: 19003968

Article Published Date : Jan 15, 2009

Authors : Mihye Kim, Shingo Miyamoto, Yumiko Yasui, Takeru Oyama, Akira Murakami, Takuji Tanaka

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954), Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Ginger exhibits anti-lung cancer properties.

Pubmed Data : J Med Food. 2010 Dec;13(6):1347-54. PMID: 21091248

Article Published Date : Dec 01, 2010

Authors : Wirote Tuntiwechapikul, Thanachai Taka, Chonnipa Songsomboon, Navakoon Kaewtunjai, Arisa Imsumran, Luksana Makonkawkeyoon, Wilart Pompimon, T Randall Lee

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Telomerase Inhibitor : CK(95) : AC(62)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Metabolites of [6]-shogoal can account for the bioactivity of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: 23382939

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Colon Cancer : CK(1493) : AC(954), Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Metabolites : CK(64) : AC(20)

Lung Injury: Acute (AC 2) (CK 4)

6-Gingerol attenuates ventilator-induced lung injury via anti-inflammation and antioxidative stress.

Pubmed Data : Int Immunopharmacol. 2021 Mar ;92:107367. Epub 2021 Jan 15. PMID: 33461160

Article Published Date : Feb 28, 2021

Authors : Wei Hong, Fang Xiang Zhi, Tu Han Kun, Feng Jie Hua, Li Huan Ling, Fang Fang, Chen Wen, Wang Jie, Li Chao Yang

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lung Injury: Acute : CK(321) : AC(159), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : NF-kappaB Inhibitor : CK(3536) : AC(2098)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: 24412620

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Lung Injury: Acute : CK(321) : AC(159)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Lymphoma: Dalton's (AC 1) (CK 1)

Z. officinale paste could be used as natural spice and a potent antitumour agent.

Pubmed Data : Appl Biochem Biotechnol. 2016 Jul 19. Epub 2016 Aug 19. PMID: 27435276

Article Published Date : Jul 18, 2016

Authors : Sundararaj Rubila, Thottiam Vasudevan Ranganathan, Kunnathur Murugesan Sakthivel

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lymphoma: Dalton's : CK(5) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Malabsorption Syndrome (AC 1) (CK 2)

Dietary spices have a beneficial effect on intestinal villi by increasing the absorptive surface of the small intestine, providing for an increased bioavailability of micronutrients.

Pubmed Data : Br J Nutr. 2010 Feb 24:1-9. Epub 2010 Feb 24. PMID: 20178671

Article Published Date : Feb 24, 2010

Authors : Usha N S Prakash, Krishnapura Srinivasan

Study Type : Animal Study
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Piperine : CK(320) : AC(159), Red Pepper : CK(4) : AC(3)
Diseases : Malabsorption Syndrome : CK(54) : AC(15), Microvilli atrophy : CK(4) : AC(2)
Additional Keywords : Nutrient Absorption : CK(15) : AC(4)

Malignant Melanoma (AC 1) (CK 1)

Curcuma rhizome, a main representant of Zingiberaceae family may be a promising natural source for active compounds against malignant melanoma.

Pubmed Data : Biol Res. 2015 Jan 12 ;48(1):1. Epub 2015 Jan 12. PMID: 25654588

Article Published Date : Jan 11, 2015

Authors : Corina Danciu, Lavinia Vlaia, Florinela Fetea, Monica Hancianu, Dorina E Coricovac, Sorina A Ciurlea, Codruţa M Şoica, Iosif Marincu, Vicentiu Vlaia, Cristina A Dehelean, Cristina Trandafirescu

Study Type : In Vitro Study
Additional Links
Substances : , Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Malignant Melanoma : CK(87) : AC(38)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Melanoma (AC 1) (CK 1)

A compound found within ginger inhibits melanoma cells.

Pubmed Data : Biosci Biotechnol Biochem. 2011 ;75(6):1067-72. Epub 2011 Jun 13. PMID: 21670536

Article Published Date : Jan 01, 2011

Authors : Huey-Chun Huang, Shao-Hua Chiu, Tsong-Min Chang

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Melanoma : CK(733) : AC(408)

Memory Disorders (AC 2) (CK 4)

Ginger mitigates damage and improves memory impairment in focal cerebral ischemia.

Pubmed Data : Evid Based Complement Alternat Med. 2011;2011:429505. Epub 2010 Dec 20. PMID: 21197427

Article Published Date : Jan 01, 2011

Authors : Jintanaporn Wattanathorn, Jinatta Jittiwat, Terdthai Tongun, Supaporn Muchimapura, Kornkanok Ingkaninan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Damage : CK(129) : AC(60), Cerebral Ischemia : CK(670) : AC(304), Memory Disorders : CK(1067) : AC(339)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Memory and cognition enhancing effects of combination of Melissa officinalis and Panax ginseng.

Pubmed Data : Pak J Pharm Sci. 2023 Sep ;36(5(Special)):1609-1618. PMID: 38008959

Article Published Date : Aug 31, 2023

Authors : Hira Afshan, Humera Khatoon, Aisha Aziz, Mariam Arefa, Sheikh Abdul Khaliq, Nausheen Alam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Lemon Balm : CK(299) : AC(61)
Diseases : Cognitive Decline/Dysfunction : CK(3236) : AC(654), Memory Disorders : CK(1067) : AC(339)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Menopausal Syndrome (AC 2) (CK 11)

Nutritional implications of ginger: chemistry, biological activities and signaling pathways.

Pubmed Data : J Nutr Biochem. 2020 Aug 19 ;86:108486. Epub 2020 Aug 19. PMID: 32827666

Article Published Date : Aug 18, 2020

Authors : Ryoiti Kiyama

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Endometriosis : CK(301) : AC(80), Menopausal Syndrome : CK(633) : AC(93), Osteoporosis : CK(2025) : AC(512), Polycystic Ovary Syndrome : CK(1093) : AC(163), Prostatic Hyperplasia : CK(22) : AC(3)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717), Neuroprotective Agents : CK(10404) : AC(4396), Osteoprotective : CK(971) : AC(351)

The results of the study demonstrate that the Aphrodit capsule was effective in reducing menopausal symptoms.

Pubmed Data : Prz Menopauzalny. 2017 Mar ;16(1):19-22. Epub 2017 Apr 26. PMID: 28546803

Article Published Date : Feb 28, 2017

Authors : Simin Taavoni, Neda Nazem Ekbatani, Hamid Haghani

Study Type : Human Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189), Saffron : CK(864) : AC(189)
Diseases : Menopausal Syndrome : CK(633) : AC(93)

Menorrhagia (AC 1) (CK 10)

Ginger is an effective supplement for heavy menstrual bleeding.

Pubmed Data : Phytother Res. 2014 Oct 8. Epub 2014 Oct 8. PMID: 25298352

Article Published Date : Oct 07, 2014

Authors : Farzaneh Kashefi, Marjan Khajehei, Mohammad Alavinia, Ebrahim Golmakani, Javad Asili

Study Type : Human Study
Additional Links

Substances : Ginger : CK(1514) : AC(444)
Diseases : Bleeding: Excessive : CK(12) : AC(2), Menorrhagia : CK(32) : AC(5), Uterine Bleeding : CK(20) : AC(2)

Mercury Poisoning (AC 1) (CK 2)

Zingiber officinale extract and 6-gingerol provide protection against acute mercuric chloride-intoxication.

Pubmed Data : Biomed Pharmacother. 2017 May 8 ;91:645-655. Epub 2017 May 8. PMID: 28494418

Article Published Date : May 07, 2017

Authors : Deepmala Joshi, Sunil Kumar Srivastav, Sateesh Belemkar, Vaibhav A Dixit

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Mercury Poisoning : CK(449) : AC(136)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Mercury : CK(808) : AC(185)

Metabolic Syndrome X (AC 6) (CK 18)

Ginger has a beneficial effect on fructose induced hyperlipidemia an dhyperinsulinemia in rats.

Pubmed Data : Indian J Exp Biol. 2005 Dec;43(12):1161-4. PMID: 16359128

Article Published Date : Dec 01, 2005

Authors : Sanjay V Kadnur, Ramesh K Goyal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Fructose-Induced Toxicity : CK(203) : AC(75), Hyperinsulinism : CK(326) : AC(70), Hyperlipidemia : CK(1569) : AC(402), Metabolic Syndrome X : CK(2073) : AC(376)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger has a protective effect against the development of metabolic syndrome in high-fat diet-fed rats.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2009 May;104(5):366-73. PMID: 19413656

Article Published Date : May 01, 2009

Authors : Srinivas Nammi, Satyanarayana Sreemantula, Basil D Roufogalis

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Metabolic Syndrome X : CK(2073) : AC(376)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger may be introduced as a therapeutic or preventive agent against metabolic syndrome.

Pubmed Data : Iran J Basic Med Sci. 2022 Jun ;25(6):664-674. PMID: **35949312**

Article Published Date : May 31, 2022

Authors : Sanaz Salaramoli, Soghra Mehri, Fatemeh Yarmohammadi, Seyed Isaac Hashemy, Hossein Hosseinzadeh

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Antihypertensive Agents : CK(4527) : AC(683), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Ginger supplementation offers beneficial effects on patients with metabolic syndrome.

Pubmed Data : J Diabetes Metab Disord. 2019 Jun ;18(1):119-125. Epub 2019 Mar 22. PMID: **31275882**

Article Published Date : May 31, 2019

Authors : Mehran Rahimlou, Zahra Yari, Elham Rayyani, Seyed Ali Keshavarz, Seyedahmad Hosseini, Nava Morshedzadeh, Azita Hekmatdoost

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221), Insulin Sensitizers : CK(1185) : AC(244)

The combination of ginger powder and zinc supplement improves the fructose-induced metabolic syndrome.

Pubmed Data : J Food Biochem. 2020 Nov 3:e13546. Epub 2020 Nov 3. PMID: **33145794**

Article Published Date : Nov 02, 2020

Authors : Zana Ahmed Mustafa, Rojgar Hamed Ali, Dler Rostum Ali, Rahim Abdulkarimi, Nashwan K Abdulkareem, Abolfazl Akbari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zinc : CK(1486) : AC(267)
Diseases : High Fructose Diet : CK(383) : AC(147), Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hepatoprotective : CK(5098) : AC(2264), NF-kappaB Inhibitor : CK(3536) : AC(2098)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: **28505392**

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Metabolic Syndrome X : CK(2073) : AC(376), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Micrococcus luteus infections (AC 1) (CK 1)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: 26132146

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study
Additional Links
Substances : Bay leaf : CK(58) : AC(30), Black Pepper : CK(714) : AC(307), Coriandor : CK(4) : AC(4), Cumin : CK(99) : AC(38), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Mustard Oil : CK(3) : AC(3), Mustard Oil : CK(3) : AC(3), Turmeric : CK(7078) : AC(3169)
Diseases : Bacillus Cereus infection : CK(29) : AC(28), Escherichia coli Infections : CK(401) : AC(297), Listeria Infections : CK(76) : AC(64), Micrococcus luteus infections : CK(5) : AC(5), Salmonella Infections : CK(149) : AC(113), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antimicrobial : CK(1209) : AC(582), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Essential Oils : CK(736) : AC(311), Natural Substance Synergy : CK(1094) : AC(506)

Microvilli atrophy (AC 1) (CK 2)

Dietary spices have a beneficial effect on intestinal villi by increasing the absorptive surface of the small intestine, providing for an increased bioavailability of micronutrients.

Pubmed Data : Br J Nutr. 2010 Feb 24:1-9. Epub 2010 Feb 24. PMID: 20178671

Article Published Date : Feb 24, 2010

Authors : Usha N S Prakash, Krishnapura Srinivasan

Study Type : Animal Study
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Piperine : CK(320) : AC(159), Red Pepper : CK(4) : AC(3)
Diseases : Malabsorption Syndrome : CK(54) : AC(15), Microvilli atrophy : CK(4) : AC(2)
Additional Keywords : Nutrient Absorption : CK(15) : AC(4)

Morning Sickness (AC 1) (CK 10)

Ginger syrup may be effective as an antiemetic in early pregnancy.

Pubmed Data : Altern Ther Health Med. 2002 Sep-Oct;8(5):89-91. PMID: 12233808

Article Published Date : Sep 01, 2002

Authors : Angela Keating, Ronald A Chez

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Morning Sickness : CK(51) : AC(6)

Morphine Tolerance/Dependence (AC 1) (CK 2)

Ginger (Zingiber officinale Roscoe) elicits antinociceptive properties and potentiates morphine-induced analgesia in the rat radiant heat tail-flick test.

Pubmed Data : J Med Food. 2010 Dec ;13(6):1397-401. PMID: 21091253

Article Published Date : Nov 30, 2010

Authors : Reza Sepahvand, Saeed Esmaeili-Mahani, Ardeshir Arzi, Bahram Rasoulian, Mehdi Abbasnejad

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Morphine Tolerance/Dependence : CK(159) : AC(51), Pain : CK(1332) : AC(208)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Drug Synergy : CK(381) : AC(167), Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Motion Sickness (AC 1) (CK 10)

Ginger has a therapeutic effect on motion sickness.

Pubmed Data : Nutr Cancer. 2007;58(1):60-5. PMID: 12576305

Article Published Date : Jan 01, 2007

Authors : Han-Chung Lien, Wei Ming Sun, Yen-Hsueh Chen, Hyerang Kim, William Hasler, Chung Owyang

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Motion Sickness : CK(10) : AC(1)
Pharmacological Actions : Vasopressin Inhibitor : CK(12) : AC(2)

Multiple Sclerosis (AC 3) (CK 4)

A review of herbal therapy in multiple sclerosis.

Pubmed Data : Adv Pharm Bull. 2018 Nov ;8(4):575-590. Epub 2018 Nov 29. PMID: 30607330

Article Published Date : Oct 31, 2018

Authors : Sina Mojaverrostami, Maryam Nazm Bojnordi, Maryam Ghasemi-Kasman, Mohammad Ali Ebrahimzadeh, Hatef Ghasemi Hamidabadi

Study Type : Review
Additional Links
Substances : Cannabis : CK(3771) : AC(917), Cranberry : CK(711) : AC(146), Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Ginkgo biloba : CK(1071) : AC(269), Ginseng : CK(2684) : AC(1192), Grape : CK(4560) : AC(1322), Kava Kava : CK(251) : AC(42), Nigella sativa (aka Black Seed) : CK(1815) : AC(478), Saffron : CK(864) : AC(189), St. Johns Wort : CK(322) : AC(101), Turmeric : CK(7078) : AC(3169), Valerian : CK(253) : AC(46)
Diseases : Multiple Sclerosis : CK(1802) : AC(394)

Therapeutic potentials of ginger for treatment of Multiple sclerosis.

Pubmed Data : J Neuroimmunol. 2018 11 15 ;324:54-75. Epub 2018 Sep 12. PMID: **30243185**

Article Published Date : Jan 14, 2018

Authors : Abdollah Jafarzadeh, Maryam Nemati

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Multiple Sclerosis : CK(1802) : AC(394), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Immunomodulatory : CK(4048) : AC(1475)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

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ginger extract modulates the expression of the IL-27 and IL-33 in the spinal cord of EAE mice and ameliorates the clinical symptoms of disease.

Pubmed Data : J Neuroimmunol. 2014 Nov 15 ;276(1-2):80-8. Epub 2014 Aug 19. PMID: **25175065**

Article Published Date : Nov 14, 2014

Authors : A Jafarzadeh, M Mohammadi-Kordkhayli, R Ahangar-Parvin, V Azizi, H Khoramdel-Azad, A Shamsizadeh, A Ayoobi, M Nemati, Z M Hassan, S M Moazeni, M Khaksari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Encephalomyelitis : CK(100) : AC(50), Multiple Sclerosis : CK(1802) : AC(394)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Significant Treatment Outcome : CK(3903) : AC(462)

Multiple Sclerosis: Relapsing-Remitting (AC 2) (CK 20)

Ginger may be an effective adjuvant therapy for patients with relapsing-remitting MS.

Pubmed Data : Food Funct. 2023 Apr 24 ;14(8):3701-3711. Epub 2023 Apr 24. PMID: **36974730**

Article Published Date : Apr 23, 2023

Authors : Sahar Foshati, Maryam Poursadeghfard, Zahra Heidari, Reza Amani

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Multiple Sclerosis: Relapsing-Remitting : CK(165) : AC(19)
Pharmacological Actions : Immunomodulatory: Th17 downregulation : CK(177) : AC(81)

The effects of ginger supplementation on common gastrointestinal symptoms in patients with relapsing-remitting multiple sclerosis.

Pubmed Data : BMC Complement Med Ther. 2023 Oct 27 ;23(1):383. Epub 2023 Oct 27. PMID: 37891539

Article Published Date : Oct 26, 2023

Authors : Sahar Foshati, Maryam Poursadeghfard, Zahra Heidari, Reza Amani

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastrointestinal Complaints : CK(69) : AC(12), Multiple Sclerosis: Relapsing-Remitting : CK(165) : AC(19)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)

Muscle Damage (AC 1) (CK 10)

Ginger supplementation may be used to accelerate recovery of muscle strength following intense exercise

Pubmed Data : Phytother Res. 2015 Jun ;29(6):887-93. Epub 2015 Mar 18. PMID: 25787877

Article Published Date : May 31, 2015

Authors : Melissa D Matsumura, Gerald S Zavorsky, James M Smoliga

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Muscle Damage : CK(60) : AC(13), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Additional Keywords : Supplementation : CK(413) : AC(60)

Muscle Soreness (AC 3) (CK 21)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: 23717767

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Inflammation : CK(9572) : AC(3089), Liver Disease: Oxidative Stress : CK(12) : AC(6), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antioxidants : CK(21528) : AC(8856), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Gastrointestinal Agents : CK(3145) : AC(843)

Ginger supplementation may be used to accelerate recovery of muscle strength following intense exercise

Pubmed Data : Phytother Res. 2015 Jun ;29(6):887-93. Epub 2015 Mar 18. PMID: 25787877

Article Published Date : May 31, 2015

Authors : Melissa D Matsumura, Gerald S Zavorsky, James M Smoliga

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Muscle Damage : CK(60) : AC(13), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Additional Keywords : Supplementation : CK(413) : AC(60)

Two grams of ginger may have anti-inflammation and analgesic effect on delayed onset muscle soreness.

Pubmed Data : Med J Islam Repub Iran. 2015 ;29:261. Epub 2015 Sep 12. PMID: 26793652

Article Published Date : Dec 31, 2014

Authors : Khadijeh Hoseinzadeh, Farhad Daryanoosh, Parvin Javad Baghdasar, Hamid Alizadeh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Muscle Soreness : CK(86) : AC(12)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Muscle Soreness: Exercise-Induced (AC 1) (CK 10)

Ginger and cinnamon intake have positive effects on inflammation and muscle soreness endued by exercise in Iranian female athletes.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S11-5. PMID: 23717759

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Awat Feizi, Mitra Hariri, Leila Darvishi, Azam Barani, Maryam Taghiyar, Afshin Shiranian, Maryam Hajishafiee

Study Type : Human Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Muscle Soreness: Exercise-Induced : CK(204) : AC(22)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Mycobacterium Infections (AC 1) (CK 1)

Ginger essential oil and fractions against Mycobacterium spp.

Pubmed Data : J Ethnopharmacol. 2019 Jul 17:112095. Epub 2019 Jul 17. PMID: 31325601

Article Published Date : Jul 16, 2019

Authors : Vanessa Pietrowski Baldin, Regiane Bertin de Lima Scodro, Carla Maria Mariano Fernandez, Andressa Lorena Ieque, Katiany Rizzieri Caleffi-Ferracioli, Vera Lucia Dias Siqueira, Aryadne Larissa de Almeida, José Eduardo Gonçalves, Diógenes Aparício Garcia Cortez, Rosilene Fressatti Cardoso

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Mycobacterium Infections : CK(167) : AC(84)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Myelodysplastic Syndrome (AC 1) (CK 10)

6-shogaol caused a decrease in serum ferritin levels in 3 of 6 patients with early Myelodysplastic syndrome.

Pubmed Data : Clin Med Insights Blood Disord. 2017 ;10:1179545X17738755. Epub 2017 Nov 2. PMID: 29147080

Article Published Date : Dec 31, 2016

Authors : Terry Golombick, Terrence H Diamond, Arumugam Manoharan, Rajeev Ramakrishna, Vladimir Badmaev

Study Type : Human Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Myelodysplastic Syndrome : CK(239) : AC(26)

Myocardial Fibrosis (AC 1) (CK 2)

Ginger extract protects the heart against inflammation and fibrosis in diabetes.

Pubmed Data : Can J Diabetes. 2020 Sep 2. Epub 2020 Sep 2. PMID: 33162372

Article Published Date : Sep 01, 2020

Authors : Tara Abdi, Maryam Mahmoudabady, Hadi Zare Marzouni, Saeed Niazmand, Majid Khazaei

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetic Complications : CK(3199) : AC(1009), Myocardial Fibrosis : CK(140) : AC(64)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Myocardial Infarction (AC 4) (CK 8)

Anti-inflammatory and anti-thrombotic effects of zingerone in a rat model of myocardial infarction.

Pubmed Data : Eur J Pharmacol. 2016 Nov 15 ;791:595-602. Epub 2016 Aug 26. PMID: **27568839**

Article Published Date : Nov 14, 2016

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Pretreatment with zingerone prevented hyperlipidaemia and cardiac hypertrophy.

Pubmed Data : J Biochem Mol Toxicol. 2015 Apr ;29(4):182-8. Epub 2015 Jan 5. PMID: **25558849**

Article Published Date : Mar 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Cardiac Hypertrophy : CK(152) : AC(84), Hyperlipidemia : CK(1569) : AC(402), Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675)

Zingerone prevented cardiomyocyte apoptosis, by virtue of its antioxidant and anti-apoptotic properties.

Pubmed Data : Eur J Pharmacol. 2018 Feb 15 ;821:105-111. Epub 2017 Oct 2. PMID: **28982542**

Article Published Date : Feb 14, 2018

Authors : Ponnian Stanely Mainzen Prince, Kunchupillai Lakhsmanan Hemalatha

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675)
Problem Substances : Isoproterenol : CK(65) : AC(35)

Zingerone protected the rat's heart against isoproterenol-induced myocardial infarction.

Pubmed Data : J Biochem Mol Toxicol. 2015 Feb ;29(2):63-9. Epub 2014 Sep 30. PMID: **25271244**

Article Published Date : Jan 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Lipid Peroxidation : CK(1632) : AC(631), Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675)

Problem Substances : Isoproterenol : CK(65) : AC(35)

Myocardial Ischemia (AC 2) (CK 5)

6-shogaol from dried ginger protects against intestinal ischemia/reperfusion.

Pubmed Data : Mol Nutr Food Res. 2023 Jul ;67(13):e2200773. Epub 2023 May 14. PMID: 37118920

Article Published Date : Jun 30, 2023

Authors : Bin Li, Yunxiang Wang, Xin Yuan, Guanting Liu, Yunpeng Diao, Jing Liu

Study Type : Animal Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Myocardial Ischemia : CK(528) : AC(256)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Cardioprotective : CK(5377) : AC(1675)

Protective mechanisms of 10-gingerol against myocardial ischemia.

Pubmed Data : Biomed Pharmacother. 2022 Jul ;151:113082. Epub 2022 May 12. PMID: 35569350

Article Published Date : Jun 30, 2022

Authors : Xue Han, Jiaying Qi, Yakun Yang, Bin Zheng, Miaomiao Liu, Yu Liu, Li Li, Shengjiang Guan, Qingzhong Jia, Li Chu

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Myocardial Ischemia : CK(528) : AC(256)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Cardioprotective : CK(5377) : AC(1675)

Nausea (AC 2) (CK 20)

Ginger reduces the tendency to vomiting and cold sweating due to seasickness significantly better than placebo.

Pubmed Data : Acta Otolaryngol. 1988 Jan-Feb;105(1-2):45-9. PMID: 3277342

Article Published Date : Jan 01, 1988

Authors : A Grøntved, T Brask, J Kambskard, E Hentzer

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Nausea : CK(60) : AC(6), Nausea: Sea-Sickness : CK(10) : AC(1)

Protein and ginger may have therapeutic value in the treatment of chemotherapy-induced delayed nausea.

Pubmed Data : J Altern Complement Med. 2008 Jun;14(5):545-51. PMID: 18537470

Article Published Date : Jun 01, 2008

Authors : Max E Levine, Marcum G Gillis, Sara Yanchis Koch, Anne C Voss, Robert M Stern, Kenneth L Koch

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Protein Supplement : CK(65) : AC(8)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32), Nausea : CK(60) : AC(6)
Pharmacological Actions : Antiemetics : CK(60) : AC(5)

Nausea: Chemotherapy-Induced (AC 4) (CK 50)

Adjuvant ginger supplementation is associated with better chemotherapy-induced nausea-related quality of life and less cancer-related fatigue.

Pubmed Data : Nutrients. 2017 Aug 12 ;9(8). Epub 2017 Aug 12. PMID: 28805667

Article Published Date : Aug 11, 2017

Authors : Wolfgang Marx, Alexandra L McCarthy, Karin Ried, Dan McKavanagh, Luis Vitetta, Avni Sali, Anna Lohning, Elisabeth Isenring

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Fatigue: Cancer-Associated : CK(85) : AC(10), Nausea: Chemotherapy-Induced : CK(288) : AC(32)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger and chamomile were both significantly effective for reducing the frequency of vomiting.

Pubmed Data : Asian Pac J Cancer Prev. 2016 ;17(8):4125-9. PMID: 27644672

Article Published Date : Dec 31, 2015

Authors : Fateme Sanaati, Safa Najafi, Zahra Kashaninia, Masoud Sadeghi

Study Type : Human Study
Additional Links
Substances : Chamomile : CK(706) : AC(130), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Nausea: Chemotherapy-Induced : CK(288) : AC(32)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger displayed significant efficacy with regard to controlling chemotherapy-induced nausea and vomiting in the experimental groups.

Pubmed Data : Cancer Nurs. 2018 Oct 6. Epub 2018 Oct 6. PMID: 30299420

Article Published Date : Oct 05, 2018

Authors : Wen P Chang, Yu X Peng

Study Type : Meta Analysis
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Nausea: Chemotherapy-Induced : CK(288) : AC(32)

Ginger root powder is effective in reducing severity of acute and delayed chemotherapy-induced nausea and vomiting as additional

therapy to ondensetron and dexamethasone in patients receiving chemotherapy.

Pubmed Data : Pediatr Blood Cancer. 2010 Sep 14. Epub 2010 Sep 14. PMID: 20842754

Article Published Date : Sep 14, 2010

Authors : Anu Kochanujan Pillai, Kamlesh K Sharma, Yogendra K Gupta, Sameer Bakhshi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity : CK(2319) : AC(936), Nausea: Chemotherapy-Induced : CK(288) : AC(32)
Pharmacological Actions : Antiemetics : CK(60) : AC(5)

Nausea: Post-Operative (AC 4) (CK 50)

Aromatherapy can be used as an alternative or complementary method for managing PONV.

Pubmed Data : Complement Ther Med. 2019 Feb ;42:417-421. Epub 2018 Dec 28. PMID: 30670276

Article Published Date : Jan 31, 2019

Authors : Serkan Karaman, Tugba Karaman, Hakan Tapar, Serkan Dogru, Mustafa Suren

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Lavender : CK(454) : AC(66), Rose : CK(476) : AC(176)
Diseases : Nausea: Post-Operative : CK(51) : AC(6)
Therapeutic Actions : Aromatherapy : CK(1092) : AC(119)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Aromatherapy demonstrated a statistically significant reduction in the need for antiemetics to treat postoperative nausea and vomiting.

Pubmed Data : J Perianesth Nurs. 2019 May 27. Epub 2019 May 27. PMID: 31147268

Article Published Date : May 26, 2019

Authors : Maxine A Fearrington, Brandon W Qualls, Mary G Carey

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Peppermint : CK(430) : AC(74)
Diseases : Nausea: Post-Operative : CK(51) : AC(6)
Therapeutic Actions : Aromatherapy : CK(1092) : AC(119)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Aromatherapy is promising as an inexpensive, noninvasive treatment for postoperative nausea that can be administered and controlled by patients as needed.

Pubmed Data : Anesth Analg. 2013 Sep ;117(3):597-604. Epub 2012 Mar 5. PMID: 22392970

Article Published Date : Aug 31, 2013

Authors : Ronald Hunt, Jacqueline Dienemann, H James Norton, Wendy Hartley, Amanda Hudgens, Thomas Stern, George Divine

Study Type : Human Study
Additional Links
Substances : Cardamom : CK(42) : AC(11), Ginger : CK(1514) : AC(444), Peppermint : CK(430) : AC(74), Spearmint : CK(58) :

AC(10)
Diseases : Nausea: Post-Operative : CK(51) : AC(6)
Therapeutic Actions : Aromatherapy : CK(1092) : AC(119)
Additional Keywords : Essential Oils : CK(736) : AC(311), Significant Treatment Outcome : CK(3903) : AC(462)

Ginger is an alternative for the prevention of postoperative nausea and vomiting.

Pubmed Data : Phytomedicine. 2018 Nov 15 ;50:8-18. Epub 2018 Sep 5. PMID: 30466995

Article Published Date : Nov 14, 2018

Authors : Barbara Tóth, Tamás Lantos, Péter Hegyi, Réka Viola, Andrea Vasas, Ria Benkő, Zoltán Gyöngyi, Áron Vincze, Péter Csécsei, Alexandra Mikó, Dávid Hegyi, Andrea Szentesi, Mária Matuz, Dezső Csupor

Study Type : Meta Analysis
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Nausea: Post-Operative : CK(51) : AC(6)
Pharmacological Actions : Antiemetics : CK(60) : AC(5)

Nausea: Pregnancy-Associated (AC 2) (CK 20)

A comparison between the effects of ginger, pyridoxine (vitamin B6) and placebo for the treatment of the first trimester nausea and vomiting of pregnancy.

Pubmed Data : J Matern Fetal Neonatal Med. 2018 Oct ;31(19):2509-2514. Epub 2017 Jul 7. PMID: 28629250

Article Published Date : Sep 30, 2018

Authors : Fatemeh Sharifzadeh, Maryam Kashanian, Jalil Koohpayehzadeh, Fatemeh Rezaian, Narges Sheikhansari, Nooshin Eshraghi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Vitamin B-6 : CK(786) : AC(108)
Diseases : Nausea: Pregnancy-Associated : CK(41) : AC(5)
Additional Keywords : Phytotherapy : CK(3062) : AC(812)

Ginger and Vitamin B6 are both effective in treating naseau and vomiting in pregnancy.

Pubmed Data : Midwifery. 2008 Feb 11. PMID: 18272271

Article Published Date : Feb 11, 2008

Authors : Jenabi Ensiyeh, Mohammad-Alizadeh C Sakineh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Vitamin B-6 : CK(786) : AC(108)
Diseases : Nausea: Pregnancy-Associated : CK(41) : AC(5)

Nausea: Sea-Sickness (AC 1) (CK 10)

Ginger reduces the tendency to vomiting and cold sweating due to seasickness significantly better than placebo.

Pubmed Data : Acta Otolaryngol. 1988 Jan-Feb;105(1-2):45-9. PMID: 3277342

Article Published Date : Jan 01, 1988

Authors : A Grøntved, T Brask, J Kambskard, E Hentzer

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Nausea : CK(60) : AC(6), Nausea: Sea-Sickness : CK(10) : AC(1)

Necrotising enterocolitis (AC 1) (CK 2)

Ginger therapy efficiently ameliorated the severity of intestinal damage in necrotizing enterocolitis and may be a promising treatment option.

Pubmed Data : J Ethnopharmacol. 2018 Jul 10. Epub 2018 Jul 10. PMID: 30005955

Article Published Date : Jul 09, 2018

Authors : Ufuk Cakir, Cuneyt Tayman, Utku Serkant, Halil Ibrahim Yakut, Esra Cakir, Ufuk Ates, Ismail Koyuncu, Eyyup Karaogul

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Necrotising enterocolitis : CK(214) : AC(32)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Neurodegenerative Diseases (AC 6) (CK 8)

A combined plant extract WS-5 could be applied as a natural product therapy with a focus on neuroinflammation-related neurodegenerative disorders.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5160293. Epub 2019 Apr 1. PMID: 31057649

Article Published Date : Dec 31, 2018

Authors : Ju Eun Kim, Abinash Chandra Shrestha, Hyo Shin Kim, Ha Neul Ham, Jun Hyeong Kim, Yeong Jee Kim, Yun Jeong Noh, Su Jin Kim, Dae Keun Kim, Hyung Kwon Jo, Dae Sung Kim, Kwang Hyun Moon, Jeong Ho Lee, Kyung Ok Jeong, Jae Yoon Leem

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Neuroprotective Agents : CK(10404) : AC(4396)

Ginger inhibits micoglial cell activiation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: 19233241

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain: Microglial Activation : CK(164) : AC(98), Brain Inflammation : CK(1101) : AC(567), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Nitric Oxide Inhibitor : CK(498) : AC(258), Prostaglandin Antagonists : CK(27) : AC(13)

Nutraceuticals derived from such spices as turmeric, red pepper, black pepper, licorice, clove, ginger, garlic, coriander, and cinnamon target inflammatory pathways, thereby preventing neurodegenerative diseases.

Pubmed Data : Mol Neurobiol. 2011 Oct ;44(2):142-59. Epub 2011 Mar 1. PMID: 21360003

Article Published Date : Oct 01, 2011

Authors : Ramaswamy Kannappan, Subash Chandra Gupta, Ji Hye Kim, Simone Reuter, Bharat Bhushan Aggarwal

Study Type : Review
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Cinnamon : CK(665) : AC(196), Clove : CK(177) : AC(99), Coriandor : CK(4) : AC(4), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Licorice : CK(697) : AC(305), Red Pepper : CK(4) : AC(3)
Diseases : Inflammation : CK(9572) : AC(3089), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Potential role of ginger in the prevention of neurodegenerative diseases.

Pubmed Data : Front Nutr. 2022 ;9:809621. Epub 2022 Mar 18. PMID: 35369082

Article Published Date : Dec 31, 2021

Authors : Raúl Arcusa, Débora Villaño, Javier Marhuenda, Miguel Cano, Begoña Cerdà, Pilar Zafrilla

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Neurodegenerative Diseases : CK(8689) : AC(2653), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Suppression of inflamm-aging by Moringa oleifera and Zingiber officinale in the prevention of degenerative diseases.

Pubmed Data : Molecules. 2023 Aug 3 ;28(15). Epub 2023 Aug 3. PMID: 37570837

Article Published Date : Aug 02, 2023

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Moringa oleifera : CK(460) : AC(245)
Diseases : Aging : CK(3728) : AC(933), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

The active ingredients in ginger have therapeutic potential in age-related neurological disorders.

Pubmed Data : Pharmacol Ther. 2018 Feb ;182:56-69. Epub 2017 Aug 24. PMID: 28842272

Article Published Date : Jan 31, 2018

Authors : Jin Gyu Choi, Sun Yeou Kim, Minsun Jeong, Myung Sook Oh

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Neurogenic Bladder (AC 1) (CK 10)

Ginger-salt moxibustion is therapeutic for poststroke urinary disorders.

Pubmed Data : Zhongguo Zhen Jiu. 2006 Sep;26(9):621-4. PMID: 17036477

Article Published Date : Sep 01, 2006

Authors : Hui-lin Liu, Lin-peng Wang

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Neurogenic Bladder : CK(91) : AC(10), Stroke: PostStroke Urinary Disorders : CK(10) : AC(1)
Therapeutic Actions : Moxibustion : CK(296) : AC(30)

Neuropathic Pain (AC 3) (CK 6)

Gingerol-enriched ginger supplementation mitigates neuropathic pain.

Pubmed Data : Front Pharmacol. 2022 ;13:912609. Epub 2022 Jul 8. PMID: 35873544

Article Published Date : Dec 31, 2021

Authors : Chwan-Li Shen, Rui Wang, Vadim Yakhnitsa, Julianna Maria Santos, Carina Watson, Takaki Kiritoshi, Guangchen Ji, Abdul Naji Hamood, Volker Neugebauer

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Gut-brain Axis : CK(392) : AC(177)

Red ginger oil has antihyperalgesia activity in mice with chronic pain

and could be developed further to be antihyperalgesia.

Pubmed Data : Pak J Pharm Sci. 2019 Jul ;32(4):1663-1669. PMID: 31608888

Article Published Date : Jun 30, 2019

Authors : Fifteen Aprila Fajrin, Azham Purwandhono, Fransisca Maria Christianty, Gati Dwi Sulistyaningrum, - Afifah, Nidia Imandasari, Tsabit Barki

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Zingiber officinale Roscoe rhizomes as a novel and interesting candidate for the management of neuropathic pain.

Pubmed Data : Phytomedicine. 2020 Nov ;78:153307. Epub 2020 Aug 19. PMID: 32846405

Article Published Date : Oct 31, 2020

Authors : Vittoria Borgonetti, Paolo Governa, Marco Biagi, Federica Pellati, Nicoletta Galeotti

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Nonalcoholic fatty liver disease (NAFLD) (AC 2) (CK 4)

These data provide new insights into the preventive approach of zingerone against the development of the NAFLD.

Pubmed Data : Gen Physiol Biophys. 2016 Apr ;35(2):185-94. Epub 2016 Feb 26. PMID: 26915720

Article Published Date : Mar 31, 2016

Authors : Jeyabarathy Muniandy Narayanan, Victor A S Jesudoss

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : High Fructose Diet : CK(383) : AC(147), Nonalcoholic fatty liver disease (NAFLD) : CK(1862) : AC(521)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Zingiber officinale extract and omega-3 fatty acids ameliorate endoplasmic reticulum stress in a nonalcoholic fatty liver rat model.

Pubmed Data : J Food Biochem. 2019 Oct 14:e13076. Epub 2019 Oct 14. PMID: 31608477

Article Published Date : Oct 13, 2019

Authors : Mohamed A Kandeil, Reem M Hashem, Mohamed O Mahmoud, Mona H Hetta, Mohamed A Tohamy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Omega-3 Fatty Acids : CK(4672) : AC(633)

Diseases : Nonalcoholic fatty liver disease (NAFLD) : CK(1862) : AC(521)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Obesity (AC 13) (CK 40)

Effects of Zingiber officinale extract supplementation on metabolic and genotoxic parameters in diet-induced obesity.

Pubmed Data : Br J Nutr. 2020 Dec 16:1-12. Epub 2020 Dec 16. PMID: **33323139**

Article Published Date : Dec 15, 2020

Authors : Thaís Fernandes Luciano, Claudio Teodoro De Souza, Ricardo Aurino Pinho, Schérolin de Oliveira Marques, Gabriel Paulino Luiz, Natalia Dos Santos Tramontin, Paulo Cesar Lock da Silveira, Vanessa Moraes de Andrade, Alexandre Pastoris Muller

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger and avocado as nutraceuticals for obesity and its comorbidities.

Pubmed Data : Phytother Res. 2020 Jan 27. Epub 2020 Jan 27. PMID: **31989713**

Article Published Date : Jan 26, 2020

Authors : Natalia Dos Santos Tramontin, Thais F Luciano, Scherolin de Oliveira Marques, Claudio T de Souza, Alexandre P Muller

Study Type : Review
Additional Links
Substances : Avocado : CK(197) : AC(61), Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Ginger decreases the negative metabolic consequences induced by high-refined carbohydrate diet.

Pubmed Data : J Med Food. 2018 Oct 26. Epub 2018 Oct 26. PMID: **30362875**

Article Published Date : Oct 25, 2018

Authors : Cíntia Tarabal Oliveira, Débora Romualdo Lacerda, Marina Campos Zicker, Laís Bhering Martins, Mauro Martins Teixeira, Raquel Linhares Bello de Araujo, Adaliene Versiani Matos Ferreira

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hypolipidemic : CK(5358) : AC(1221)

Ginger extract ameliorates obesity and inflammation.

Pubmed Data : Nutrients. 2018 Oct 23 ;10(11). Epub 2018 Oct 23. PMID: **30360535**

Article Published Date : Oct 22, 2018

Authors : Seunghae Kim, Mak-Soon Lee, Sunyoon Jung, Hye-Yeon Son, Seonyoung Park, Bori Kang, Seog-Young Kim, In-Hwan Kim, Chong-Tai Kim, Yangha Kim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), MicroRNA modulator : CK(1023) : AC(618)

Ginger has anti-obesogenic properties.

Pubmed Data : Mol Nutr Food Res. 2011 Sep ;55 Suppl 2:S203-13. Epub 2011 Aug 30. PMID: **21954187**

Article Published Date : Sep 01, 2011

Authors : John H Beattie, Fergus Nicol, Margaret-Jane Gordon, Martin D Reid, Louise Cantlay, Graham W Horgan, In-Sook Kwun, Ji-Yun Ahn, Tae-Youl Ha

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)

Ginger water reduces body weight gain and improves energy expenditure.

Pubmed Data : Foods. 2020 Jan 2 ;9(1). Epub 2020 Jan 2. PMID: **31906567**

Article Published Date : Jan 01, 2020

Authors : Samy Sayed, Mohamed Ahmed, Ahmed El-Shehawi, Mohamed Alkafafy, Saqer Al-Otaibi, Hanan El-Sawy, Samy Farouk, Samir El-Shazly

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Gingerenone A may be used as a potential therapeutic candidate for the treatment of obesity and its complications.

Pubmed Data : Mol Nutr Food Res. 2017 May 28. Epub 2017 May 28. PMID: **28556482**

Article Published Date : May 27, 2017

Authors : Sujin Suk, Gyoo Taik Kwon, Eunjung Lee, Woo Jung Jang, Hee Yang, Jong Hun Kim, N R Thimmegowda, Min-Yu Chung, Jung Yeon Kwon, Seunghee Yang, Jason K Kim, Jung Han Yoon Park, Ki Won Lee

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Synergistic lipid-lowering effects of Zingiber mioga and Hippophae rhamnoides extracts.

Pubmed Data : Exp Ther Med. 2020 Sep ;20(3):2270-2278. Epub 2020 Jun 19. PMID: **32765704**

Article Published Date : Aug 31, 2020

Authors : So-Hyun Park, Da-Hye Lee, Hyun-Il Choi, Jiyun Ahn, Young-Jin Jang, Tae-Youl Ha, Chang Hwa Jung

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Sea buckthorn : CK(359) : AC(141)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506)

These results demonstrated that sustained activation of the PPARδ pathway with GE attenuated diet-induced obesity and improved exercise endurance capacity.

Pubmed Data : J Nutr Biochem. 2015 May 28. Epub 2015 May 28. PMID: 26101135

Article Published Date : May 27, 2015

Authors : Koichi Misawa, Kojiro Hashizume, Masaki Yamamoto, Yoshihiko Minegishi, Tadashi Hase, Akira Shimotoyodome

Study Type : Animal Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : High Fat Diet : CK(1267) : AC(602), Obesity : CK(6879) : AC(1686)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774), Plant Extracts : CK(14140) : AC(5210)

These results suggest that steamed ginger ethanolic extract is a potent anti-obesity agent.

Pubmed Data : Food Sci Biotechnol. 2020 Feb ;29(2):265-273. Epub 2019 Oct 11. PMID: 32064135

Article Published Date : Jan 31, 2020

Authors : Soo-Hyun Park, Su-Jin Jung, Eun-Kyung Choi, Ki-Chan Ha, Hyang-Im Baek, Yu-Kyung Park, Kap-Hoon Han, Soon-Yeon Jeong, Jung-Hee Oh, Youn-Soo Cha, Byung-Hyun Park, Soo-Wan Chae

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774), Plant Extracts : CK(14140) : AC(5210)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: 28505392

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Metabolic Syndrome X : CK(2073) : AC(376), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

This study found that that taking green tea, capsaicin and ginger co-supplements for 8 weeks among overweight women had beneficial effects on weight, BMI, markers of insulin metabolism and plasma glutathione levels.

Pubmed Data : Ann Nutr Metab. 2017 ;70(4):277-285. Epub 2017 Jun 9. PMID: 28595182

Article Published Date : Jan 01, 2017

Authors : Mohsen Taghizadeh, Narjes Farzin, Sara Taheri, Mahnaz Mahlouji, Hossein Akbari, Fatemeh Karamali, Zatollah Asemi

Study Type : Human Study
Additional Links
Substances : Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057), Tea : CK(3620) : AC(755)
Diseases : Insulin Resistance : CK(3522) : AC(792), Obesity : CK(6879) : AC(1686), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidant Effects : CK(15) : AC(4), Insulin Sensitizers : CK(1185) : AC(244)

Additional Keywords : Plant Extracts : CK(14140) : AC(5210)
Problem Substances : Insulin : CK(384) : AC(68)

Zingiber mioga reduces weight gain, insulin resistance and hepatic gluconeogenesis in diet-induced obese mice.

Pubmed Data : Exp Ther Med. 2016 Jul ;12(1):369-376. Epub 2016 May 11. PMID: 27347064

Article Published Date : Jun 30, 2016

Authors : DA-Hye Lee, Jiyun Ahn, Young Jin Jang, Tae-Youl Ha, Chang Hwa Jung

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Hepatic Steatosis : CK(325) : AC(124), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Opioid Tolerance/Dependence (AC 1) (CK 10)

Hab-o Shefa, a Persian medicine compound for maintenance treatment of opioid dependence.

Pubmed Data : J Altern Complement Med. 2020 May ;26(5):376-383. Epub 2020 Feb 28. PMID: 32109133

Article Published Date : Apr 30, 2020

Authors : Abdolali Moosavyzadeh, Azarakhsh Mokri, Farzaneh Ghaffari, Soghrat Faghihzadeh, Hossein Azizi, Razieh Jafari Hajati, Mohsen Naseri

Study Type : Human Study
Additional Links
Substances : Datura stramonium : CK(1) : AC(1), Ginger : CK(1514) : AC(444), Rhubarb : CK(149) : AC(65)
Diseases : Anxiety : CK(3360) : AC(595), Opioid Tolerance/Dependence : CK(1) : AC(1)
Pharmacological Actions : Anti-Anxiety Agents : CK(2913) : AC(487)

Oral Cancer (AC 1) (CK 1)

Anti-cancer effects of traditional medicinal herbs on oral squamous cell carcinoma.

Pubmed Data : Asian Pac J Cancer Prev. 2020 Feb 1 ;21(2):479-484. Epub 2020 Feb 1. PMID: 32102527

Article Published Date : Jan 31, 2020

Authors : Ali Dehghani Nazhvani, Najmeh Sarafraz, Fatemeh Askari, Fahimeh Heidari, Mahboobeh Razmkhah

Study Type : In Vitro Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189)
Diseases : Oral Cancer : CK(510) : AC(245), Squamous cell carcinoma : CK(427) : AC(218)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Autophagy Up-regulation : CK(518) : AC(349)

Osteoarthritis (AC 1) (CK 2)

This finding supports the contention that ginger holds positive pharmaceutical effects against osteoarthritis.

Pubmed Data : Planta Med. 2017 Feb ;83(3-04):268-276. Epub 2016 Aug 30. PMID: 27574898

Article Published Date : Jan 31, 2017

Authors : Jetsada Ruangsuriya, Piyaporn Budprom, Nawarat Viriyakhasem, Patiwat Kongdang, Chatchadawalai Chokchaitaweesuk, Nutnicha Sirikaew, Siriwadee Chomdej, Korakot Nganvongpanit, Siriwan Ongchai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis : CK(1449) : AC(363)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Osteoarthritis: Knee (AC 13) (CK 112)

A highly standardised ginger and Echinacea extract could be beneficial for people with knee osteoarthritis.

Pubmed Data : Nat Prod Res. 2016 Oct 13:1-5. Epub 2016 Oct 13. PMID: 27737573

Article Published Date : Oct 12, 2016

Authors : Mariangela Rondanelli, Antonella Riva, Paolo Morazzoni, Pietro Allegrini, Milena Anna Faliva, Maurizio Naso, Alessandra Miccono, Gabriella Peroni, Irene Degli Agosti, Simone Perna

Study Type : Human Study
Additional Links
Substances : Echinacea : CK(838) : AC(218), Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)

A syrup, composed of a combination of honey and ginger could be used for improvement of symptomatic treatment of osteoarthritis.

Pubmed Data : J Clin Pharm Ther. 2022 Dec ;47(12):2295-2301. Epub 2022 Nov 30. PMID: 36453014

Article Published Date : Nov 30, 2022

Authors : Fariba Afshar, Nafiseh Abdolahi, Gholamreza Amin, Hadi Esmaily, Shadi Ziayie, Saeed Azimi, Behnam Darvishi, Shima Afshar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Aroma-massage therapy with ginger and orange oil have potential as

an alternative method for short-term knee pain relief.

Pubmed Data : Microbes Infect. 2006 May;8(6):1450-4. Epub 2006 Mar 29. PMID: **18534325**

Article Published Date : May 01, 2006

Authors : Yin Bing Yip, Ada Chung Ying Tam

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Orange : CK(345) : AC(71)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Therapeutic Actions : Aromatherapy : CK(1092) : AC(119), Massage/Therapeutic Touch : CK(933) : AC(94)

Aromatherapy massage performed in elderly patients with knee osteoarthritis reduced pain and improved functional status and quality of life.

Pubmed Data : Jpn J Nurs Sci. 2019 May 30. Epub 2019 May 30. PMID: **31144450**

Article Published Date : May 29, 2019

Authors : Seda Pehlivan, Ayfer Karadakovan

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Rosemary : CK(413) : AC(163)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Therapeutic Actions : Aromatherapy : CK(1092) : AC(119)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Ayurvedic medicine offers a good alternative to glucosamine and celecoxib in the treatment of symptomatic knee osteoarthritis.

Pubmed Data : Rheumatology (Oxford). 2013 Aug ;52(8):1408-17. Epub 2013 Jan 30. PMID: **23365148**

Article Published Date : Jul 31, 2013

Authors : Arvind Chopra, Manjit Saluja, Girish Tillu, Sanjeev Sarmukkaddam, Anuradha Venugopalan, Gumdal Narsimulu, Rohini Handa, Venil Sumantran, Ashwinikumar Raut, Lata Bichile, Kalpana Joshi, Bhushan Patwardhan

Study Type : Human Study
Additional Links
Substances : Amla Fruit : CK(238) : AC(84), Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Guduchi : CK(93) : AC(21)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Current status of top 10 nutraceuticals used for Knee Osteoarthritis in India.

Pubmed Data : J Clin Orthop Trauma. 2018 Oct-Dec;9(4):338-348. Epub 2018 Jul 20. PMID: **30449982**

Article Published Date : Sep 30, 2018

Authors : Raju Vaishya, Amit Kumar Agarwal, Amish Shah, Vipul Vijay, Abhishek Vaish

Study Type : Review
Additional Links
Substances : Chondroitin Sulfate : CK(48) : AC(10), Curcumin : CK(5598) : AC(2788), Fish Oil : CK(879) : AC(152), Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Glucosamine : CK(116) : AC(22), Green Tea : CK(3450) : AC(1057)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Osteoprotective : CK(971) : AC(351)

Ginger as a nutraceutical: Focus on the metabolic, analgesic, and

antiinflammatory effects.

Pubmed Data : Phytother Res. 2020 Dec 5. Epub 2020 Dec 5. PMID: **33278054**

Article Published Date : Dec 04, 2020

Authors : Ester Pagano, Eliana B Souto, Alessandra Durazzo, Javad Sharifi-Rad, Massimo Lucarini, Selma B Souto, Bahare Salehi, Wissam Zam, Vittorino Montanaro, Giuseppe Lucariello, Angelo A Izzo, Antonello Santini, Barbara Romano

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Dysmenorrhea : CK(692) : AC(71), Hyperlipidemia : CK(1569) : AC(402), Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger has reduces symptoms of osteoarthritis of the knee.

Pubmed Data : Arthritis Rheum. 2001 Nov;44(11):2531-8. PMID: **11710709**

Article Published Date : Nov 01, 2001

Authors : R D Altman, K C Marcussen

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)

Ginger powder supplementation can reduce inflammatory markers in patients with knee osteoarthritis.

Pubmed Data : J Tradit Complement Med. 2016 Jul ;6(3):199-203. Epub 2015 Jan 28. PMID: **27419081**

Article Published Date : Jun 30, 2016

Authors : Zahra Naderi, Hassan Mozaffari-Khosravi, Ali Dehghan, Azadeh Nadjarzadeh, Hassan Fallah Huseini

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : C-Reactive Protein : CK(3134) : AC(310), Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Nitric Oxide Inhibitor : CK(498) : AC(258)

Hemp seed oil in association with β-caryophyllene, myrcene and ginger extract as a nutraceutical integration in knee osteoarthritis.

Pubmed Data : Medicina (Kaunas). 2023 Jan 18 ;59(2). Epub 2023 Jan 18. PMID: **36837393**

Article Published Date : Jan 17, 2023

Authors : Giacomo Farì, Marisa Megna, Salvatore Scacco, Maurizio Ranieri, Maria Vittoria Raele, Enrica Chiaia Noya, Dario Macchiarola, Francesco Paolo Bianchi, Davide Carati, Simona Panico, Eleonora Di Campi, Antonio Gnoni, Venera Scacco, Alessio Danilo Inchingolo, Erda Qorri, Antonio Scarano, Biagio Rapone

Study Type : Human Study
Additional Links
Substances : Beta-Caryophyllene : CK(2) : AC(1), Ginger : CK(1514) : AC(444), Hemp Seed : CK(92) : AC(45)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Osteoprotective : CK(971) : AC(351)

Herbal formulation turmeric extract, black pepper, and ginger versus naproxen for chronic knee osteoarthritis.

Pubmed Data : Phytother Res. 2020 Aug ;34(8):2067-2073. Epub 2020 Mar 16. PMID: **32180294**

Article Published Date : Jul 31, 2020

Authors : Motahar Heidari-Beni, Amir R Moravejolahkami, Pegah Gorgian, Gholamreza Askari, Mohammad J Tarrahi, Nimah Bahreini-Esfahani

Study Type : Human Study
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Postaglandin PGE2 downregulation : CK(202) : AC(110)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479)

Self-knee massage with ginger oil in patients with osteoarthritis.

Pubmed Data : Res Theory Nurs Pract. 2017 Nov 1 ;31(4):379-392. PMID: **29137696**

Article Published Date : Oct 31, 2017

Authors : Betul Tosun, Nursemin Unal, Deniz Yigit, Nuray Can, Ozlem Aslan, Servet Tunay

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Therapeutic Actions : Massage/Therapeutic Touch : CK(933) : AC(94)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Plant Oils : CK(229) : AC(87)

These preliminary results indicate the efficacy and safety of Movardol supplementation in the management of moderate knee osteoarthritis.

Pubmed Data : Eur Rev Med Pharmacol Sci. 2016 Dec ;20(24):5198-5204. PMID: **28051248**

Article Published Date : Nov 30, 2016

Authors : G Bolognesi, G Belcaro, B Feragalli, U Cornelli, R Cotellese, S Hu, M Dugall

Study Type : Human Study
Additional Links
Substances : Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Osteoporosis (AC 1) (CK 1)

Nutritional implications of ginger: chemistry, biological activities and signaling pathways.

Pubmed Data : J Nutr Biochem. 2020 Aug 19 ;86:108486. Epub 2020 Aug 19. PMID: **32827666**

Article Published Date : Aug 18, 2020

Authors : Ryoiti Kiyama

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Endometriosis : CK(301) : AC(80), Menopausal Syndrome : CK(633) : AC(93), Osteoporosis : CK(2025) : AC(512), Polycystic Ovary Syndrome : CK(1093) : AC(163), Prostatic Hyperplasia : CK(22) : AC(3)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717), Neuroprotective Agents : CK(10404) : AC(4396), Osteoprotective : CK(971) : AC(351)

Overweight (AC 1) (CK 10)

Ginger consumption enhances the thermic effect of food and promotes feelings of satiety without affecting metabolic and hormonal parameters in overweight men.

Pubmed Data : Metabolism. 2012 Oct ;61(10):1347-52. Epub 2012 Apr 24. PMID: 22538118

Article Published Date : Sep 30, 2012

Authors : Muhammad S Mansour, Yu-Ming Ni, Amy L Roberts, Michael Kelleman, Arindam Roychoudhury, Marie-Pierre St-Onge

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Overweight : CK(8557) : AC(1798), Weight Probems: Appetite : CK(162) : AC(22)
Pharmacological Actions : Thermogenic : CK(57) : AC(9)

Oxidative Stress (AC 21) (CK 63)

6-Gingerol attenuates ventilator-induced lung injury via anti-inflammation and antioxidative stress.

Pubmed Data : Int Immunopharmacol. 2021 Mar ;92:107367. Epub 2021 Jan 15. PMID: 33461160

Article Published Date : Feb 28, 2021

Authors : Wei Hong, Fang Xiang Zhi, Tu Han Kun, Feng Jie Hua, Li Huan Ling, Fang Fang, Chen Wen, Wang Jie, Li Chao Yang

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lung Injury: Acute : CK(321) : AC(159), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : NF-kappaB Inhibitor : CK(3536) : AC(2098)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: 25811848

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396), Nitric Oxide Inhibitor : CK(498) : AC(258)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

A compound in ginger known as 6-Gingerol prevents cisplatin-induced

acute renal failure in rats.

Pubmed Data : J Agric Food Chem. 2005 Apr 6;53(7):2446-50. PMID: 16971750

Article Published Date : Apr 06, 2005

Authors : Anurag Kuhad, Naveen Tirkey, Sangeeta Pilkhwal, Kanwaljit Chopra

Study Type : Animal Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Renoprotective : CK(2404) : AC(1075)

A subcritical water extract of soil grown Zingiber officinale Roscoe: Comparative analysis of antioxidant and anti-inflammatory effects.

Pubmed Data : Front Pharmacol. 2023 ;14:1006265. Epub 2023 Feb 8. PMID: 36843947

Article Published Date : Dec 31, 2022

Authors : Azraul Mumtazah Razak, Siti Nor Asyikin Zakaria, Nur Fathiah Abdul Sani, Nazirah Ab Rani, Nur Haleeda Hakimi, Mazlina Mohd Said, Jen Kit Tan, Han Kwang Gan, Mariam Firdhaus Mad Nordin, Suzana Makpol

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Administration of ginger and/or thyme has ameliorative effects on liver and kidney functions of V-line rabbits.

Pubmed Data : J Anim Physiol Anim Nutr (Berl). 2019 Aug 22. Epub 2019 Aug 22. PMID: 31441113

Article Published Date : Aug 21, 2019

Authors : Mohammed Abdel-Gabbar, Rasha R Ahmed, Mohamed A Kandeil, Alaa El-Deen H Mohamed, Shimaa M Ali

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Thyme : CK(140) : AC(70)
Diseases : Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypolipidemic : CK(5358) : AC(1221)

Cardiac delayed repolarisation and atrioventricular conduction in rats with diabetes were halted by zingerone.

Pubmed Data : PLoS One. 2017 ;12(12):e0189074. Epub 2017 Dec 5. PMID: 29206854

Article Published Date : Dec 31, 2016

Authors : Hany M El-Bassossy, Wafaa S Al-Thubiani, Ahmed A Elberry, Mohammad I Mujallid, Salah A Ghareib, Ahmad S Azhar, Zainy M Banjar, Malcolm L Watson

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675)

Comparison of phytochemicals, antioxidant and anti-inflammatory properties of sun-, oven- and freeze-dried ginger extracts.

Pubmed Data : Foods. 2019 Oct 6 ;8(10). Epub 2019 Oct 6. PMID: 31590464

Article Published Date : Oct 05, 2019

Authors : Iswaibah Mustafa, Nyuk Ling Chin, Sharida Fakurazi, Arulselvan Palanisamy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Dietary ginger has a protective effect on lindane-induced oxidative stress in rats.

Pubmed Data : Altern Med Rev. 2008 Mar;13(1):6-20. PMID: 18389491

Article Published Date : Mar 01, 2008

Authors : Rafat S Ahmed, Sanvidhan G Suke, Vandana Seth, Ayanabha Chakraborti, Ashok K Tripathi, Basu D Banerjee

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Oxidative Stress : CK(9437) : AC(3550), Pesticide Toxicity : CK(1245) : AC(376)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Chemical: Lindane : CK(22) : AC(7), Plant Extracts : CK(14140) : AC(5210)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: 22314994

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Insulin Resistance : CK(3522) : AC(792), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: 30121057

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, Halilİbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger improves oxidative stress and trace elements status in patients with alopecia areata.

Pubmed Data : Niger J Clin Pract. 2020 Nov ;23(11):1555-1560. PMID: 33221781

Article Published Date : Oct 31, 2020

Authors : A N Abbas

Study Type : Human Study

Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alopecia : CK(318) : AC(76), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)

Ginger protects mice against radiation-induced lethality.

Pubmed Data : Cancer Biother Radiopharm. 2004 Aug;19(4):422-35. PMID: **15453957**

Article Published Date : Aug 01, 2004

Authors : Ganesh Jagetia, Manjeshwar Baliga, Ponemone Venkatesh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Oxidative Stress : CK(9437) : AC(3550), Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Radioprotective : CK(1668) : AC(521)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger showed a protection role in glyphosate-induced liver and kidney dysfunction, oxidative stress, immunosuppression in Nile tilapia.

Pubmed Data : Vet Res Commun. 2022 Jun 30. Epub 2022 Jun 30. PMID: **35773603**

Article Published Date : Jun 29, 2022

Authors : Afaf D Abdelmagid, Alshaimaa M Said, Eman A Abd El-Gawad, Sara A Shalaby, Mahmoud A O Dawood

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Glyphosate Toxicity : CK(394) : AC(151), Kidney Damage: Chemically-Induced : CK(25) : AC(13), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Glyphosate : CK(895) : AC(304)

Ginger supplement along with NSPT may be effective in the improvement of inflammation, oxidative, and periodontal status in T2DM with chronic periodontitis.

Pubmed Data : Diabetes Metab Syndr Obes. 2019 ;12:1751-1761. Epub 2019 Sep 6. PMID: **32021341**

Article Published Date : Dec 31, 2018

Authors : Ahmad Zare Javid, Hadi Bazyar, Hasan Gholinezhad, Mehran Rahimlou, Homeira Rashidi, Parvin Salehi, Mohammad Hosein Haghighi-Zadeh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550), Periodontitis : CK(378) : AC(98)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Hepatoprotective effects of moderate-intensity interval training along with ginger juice in an old male rat model.

Pubmed Data : Pflugers Arch. 2023 Apr ;475(4):437-452. Epub 2023 Jan 24. PMID: **36692542**

Article Published Date : Mar 31, 2023

Authors : Omid Abazari, Abolfazl Shakibaee, Alireza Shahriary, Ehsan Arabzadeh, Martin Hofmeister

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Therapeutic Actions : Exercise : CK(4855) : AC(736)

Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: **26667466**

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Lipid Peroxidation : CK(1632) : AC(631), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: **20211236**

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Aging : CK(3728) : AC(933), Cancers: All : CK(28241) : AC(10590), Cardiovascular Diseases : CK(12780) : AC(1983), Dementia : CK(1689) : AC(279), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Therapeutic potentials of ginger for treatment of Multiple sclerosis.

Pubmed Data : J Neuroimmunol. 2018 11 15 ;324:54-75. Epub 2018 Sep 12. PMID: **30243185**

Article Published Date : Jan 14, 2018

Authors : Abdollah Jafarzadeh, Maryam Nemati

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Multiple Sclerosis : CK(1802) : AC(394), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Immunomodulatory : CK(4048) : AC(1475)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

These results are supportive of use of ginger essential oil as a potential radioprotective compound.

Pubmed Data : Asian Pac J Cancer Prev. 2016 ;17(3):1325-32. PMID: **27039766**

Article Published Date : Dec 31, 2015

Authors : Kottarapat Jeena, Vijayasteltar B Liju, Viswanathan Ramanath, Ramadasan Kuttan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Oxidative Stress : CK(9437) : AC(3550)

Pharmacological Actions : Radioprotective : CK(1668) : AC(521)
Additional Keywords : Essential Oils : CK(736) : AC(311)

This study found that that taking green tea, capsaicin and ginger co-supplements for 8 weeks among overweight women had beneficial effects on weight, BMI, markers of insulin metabolism and plasma glutathione levels.

Pubmed Data : Ann Nutr Metab. 2017 ;70(4):277-285. Epub 2017 Jun 9. PMID: **28595182**

Article Published Date : Jan 01, 2017

Authors : Mohsen Taghizadeh, Narjes Farzin, Sara Taheri, Mahnaz Mahlouji, Hossein Akbari, Fatemeh Karamali, Zatollah Asemi

Study Type : Human Study
Additional Links
Substances : Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057), Tea : CK(3620) : AC(755)
Diseases : Insulin Resistance : CK(3522) : AC(792), Obesity : CK(6879) : AC(1686), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidant Effects : CK(15) : AC(4), Insulin Sensitizers : CK(1185) : AC(244)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)
Problem Substances : Insulin : CK(384) : AC(68)

Zingerone produced marked improvement in stress induced irritable bowel disorder

Pubmed Data : Phytomedicine. 2014 Mar 15 ;21(4):423-9. Epub 2013 Nov 18. PMID: **24262066**

Article Published Date : Mar 14, 2014

Authors : David Banji, Otilia J F Banji, Bandlapalli Pavani, Ch Kranthi Kumar, A R Annamalai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Irritable Bowel Syndrome : CK(1106) : AC(164), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Pain (AC 1) (CK 2)

Ginger (Zingiber officinale Roscoe) elicits antinociceptive properties and potentiates morphine-induced analgesia in the rat radiant heat tail-flick test.

Pubmed Data : J Med Food. 2010 Dec ;13(6):1397-401. PMID: **21091253**

Article Published Date : Nov 30, 2010

Authors : Reza Sepahvand, Saeed Esmaeili-Mahani, Ardeshir Arzi, Bahram Rasoulian, Mehdi Abbasnejad

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Morphine Tolerance/Dependence : CK(159) : AC(51), Pain : CK(1332) : AC(208)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Drug Synergy : CK(381) : AC(167), Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Pancreatic Cancer (AC 3) (CK 8)

Ginger extract inhibited cell proliferation and subsequently induced the autotic death of pancreatic cancer Panc-1 cells.

Pubmed Data : PLoS One. 2015 ;10(5):e0126605. Epub 2015 May 11. PMID: 25961833

Article Published Date : Dec 31, 2014

Authors : Miho Akimoto, Mari Iizuka, Rie Kanematsu, Masato Yoshida, Keizo Takenaga

Study Type : Animal Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Pancreatic Cancer : CK(1307) : AC(451)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Autophagy Up-regulation : CK(518) : AC(349)

Gingerol may help combat chemotherapy resistant pancreatic cancer cells.

Pubmed Data : Yonsei Med J. 2006 Oct 31;47(5):688-97. PMID: 17066513

Article Published Date : Oct 31, 2006

Authors : Yon Jung Park, Jing Wen, Seungmin Bang, Seung Woo Park, Si Young Song

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Pancreatic Cancer : CK(1307) : AC(451)
Additional Keywords : Chemotherapy Resistance : CK(5) : AC(5)

Zerumbone was able to induce apoptosis of pancreatic carcinoma cell lines

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:936030. Epub 2012 Jan 29. PMID: 22454691

Article Published Date : Jan 01, 2012

Authors : Songyan Zhang, Qiaojing Liu, Yanju Liu, Hong Qiao, Yu Liu

Study Type : Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zerumbone : CK(95) : AC(63)
Diseases : Pancreatic Cancer : CK(1307) : AC(451)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Caspase-3 Activation : CK(137) : AC(90), P21 Activation : CK(160) : AC(119), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Zerumbone : CK(5) : AC(1)

Parabens-Associated Toxicity (AC 4) (CK 6)

A water extract of ginger amelioriates paraben induced cytotoxicity.

Pubmed Data : Acta Pol Pharm. 2006 Mar-Apr;63(2):117-9. PMID: 17514874

Article Published Date : Mar 01, 2006

Authors : Veena Asnani, Ramtej Jayram Verma

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Parabens-Associated Toxicity : CK(36) : AC(7)

Ginger extract ameliorates paraben induced biochemical changes in liver and kidney of mice.

Pubmed Data : Acta Pol Pharm. 2007 May-Jun;64(3):217-20. PMID: 17695143

Article Published Date : May 01, 2007

Authors : Ramtej J Verma, Veena Asnani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Parabens-Associated Toxicity : CK(36) : AC(7)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger extract has an ameliorative effect on paraben-induced lipid peroxidation in the liver of mice.

Pubmed Data : Acta Pol Pharm. 2009 May-Jun;66(3):225-8. PMID: 19645321

Article Published Date : May 01, 2009

Authors : Veena M Asnani, Ramtej J Verma

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Parabens-Associated Toxicity : CK(36) : AC(7)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger significantly reduces paraben induced lipid peroxidation in liver and kidney cells.

Pubmed Data : Acta Pol Pharm. 2007 Jan-Feb;64(1):35-7. PMID: 17665848

Article Published Date : Jan 01, 2007

Authors : Veena Asnani, Ramtej Jayram Verma

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Parabens-Associated Toxicity : CK(36) : AC(7)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Parasitic Intestinal Diseases (AC 1) (CK 1)

Ginger and garlic treatment significantly lowered the number of the blastocystis hominis parasites.

Pubmed Data : J Egypt Soc Parasitol. 2015 Apr ;45(1):93-100. PMID: 26012223

Article Published Date : Mar 31, 2015

Authors : Ekhlas H Abdel-Hafeez, Azza K Ahmad, Noha H Andelgelil, Manal Z M Abdellatif, Amany M Kamal, Rabie M Mohamed

Study Type : In Vitro Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Onion : CK(420) : AC(124), Turmeric : CK(7078) : AC(3169)
Diseases : Parasitic Intestinal Diseases : CK(17) : AC(11)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)

Parkinson's Disease (AC 4) (CK 4)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: **31531114**

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Aging : CK(3728) : AC(933), Alzheimer's Disease : CK(3372) : AC(1307), Hypertension : CK(6384) : AC(950), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396)

Blood-brain barrier permeability study of ginger constituents.

Pubmed Data : J Pharm Biomed Anal. 2019 Aug 19 ;177:112820. Epub 2019 Aug 19. PMID: **31476432**

Article Published Date : Aug 18, 2019

Authors : Alexandra Simon, András Darcsi, Ágnes Kéry, Eszter Riethmüller

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Blood Brain Barrier : CK(153) : AC(67)

Elucidating the beneficial effects of ginger in Parkinson's disease.

Pubmed Data : ACS Pharmacol Transl Sci. 2022 Oct 14 ;5(10):838-848. Epub 2022 Sep 7. PMID: **36268117**

Article Published Date : Oct 13, 2022

Authors : Efthalia Angelopoulou, Yam Nath Paudel, Sokratis G Papageorgiou, Christina Piperi

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Potential role of ginger in the prevention of neurodegenerative diseases.

Pubmed Data : Front Nutr. 2022 ;9:809621. Epub 2022 Mar 18. PMID: 35369082

Article Published Date : Dec 31, 2021

Authors : Raúl Arcusa, Débora Villaño, Javier Marhuenda, Miguel Cano, Begoña Cerdà, Pilar Zafrilla

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Neurodegenerative Diseases : CK(8689) : AC(2653), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Periodontitis (AC 2) (CK 20)

Effectiveness of ginger powder for the management of pain and gingival inflammation following open flap debridement is comparable to that of ibuprofen.

Pubmed Data : J Ayurveda Integr Med. 2020 Jul 2. Epub 2020 Jul 2. PMID: 32624375

Article Published Date : Jul 01, 2020

Authors : Pallavi Menon, Jayachandran Perayil, Angel Fenol, Maya Rajan Peter, P Lakshmi, Reshma Suresh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chronic Pain : CK(206) : AC(33), Periodontitis : CK(378) : AC(98), Postoperative Recovery : CK(227) : AC(22)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479)

Ginger supplement along with NSPT may be effective in the improvement of inflammation, oxidative, and periodontal status in T2DM with chronic periodontitis.

Pubmed Data : Diabetes Metab Syndr Obes. 2019 ;12:1751-1761. Epub 2019 Sep 6. PMID: 32021341

Article Published Date : Dec 31, 2018

Authors : Ahmad Zare Javid, Hadi Bazyar, Hasan Gholinezhad, Mehran Rahimlou, Homeira Rashidi, Parvin Salehi, Mohammad Hosein Haghighi-Zadeh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550), Periodontitis : CK(378) : AC(98)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Pesticide Toxicity (AC 2) (CK 4)

Dietary ginger has a protective effect on lindane-induced oxidative stress in rats.

Pubmed Data : Altern Med Rev. 2008 Mar;13(1):6-20. PMID: 18389491

Article Published Date : Mar 01, 2008

Authors : Rafat S Ahmed, Sanvidhan G Suke, Vandana Seth, Ayanabha Chakraborti, Ashok K Tripathi, Basu D Banerjee

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Oxidative Stress : CK(9437) : AC(3550), Pesticide Toxicity : CK(1245) : AC(376)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Chemical: Lindane : CK(22) : AC(7), Plant Extracts : CK(14140) : AC(5210)

Zingiber officinale diminishes diazinon-induced hepatotoxicity by suppressing oxidative stress and apoptosis.

Pubmed Data : Biotech Histochem. 2020 Jul 16:1-7. Epub 2020 Jul 16. PMID: 32672073

Article Published Date : Jul 15, 2020

Authors : Saeed Yaghubi Beklar, Maedeh Hamzeh, Abbasali Karimpour Malekshah, Fereshteh Talebpour Amiri

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Pesticide Toxicity : CK(1245) : AC(376)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Pesticides : CK(2214) : AC(420)

Pets: Heartworm (AC 2) (CK 3)

Andrographis, Tinospora and especially Zingiber officinale (ginger) have anti-parasitic activity against canine dirofilariasis (heartworm).

Pubmed Data : Res Vet Sci. 2010 Feb;88(1):142-7. Epub 2009 Jun 4. PMID: 19500810

Article Published Date : Feb 01, 2010

Authors : L T Merawin, A K Arifah, R A Sani, M N Somchit, A Zuraini, S Ganabadi, Z A Zakaria

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dog Diseases : CK(5) : AC(3), Pets: Heartworm : CK(3) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger (intravenous) exhibits antiparasitic activity against Dirofilaria immitis (heartworm).

Pubmed Data : J Helminthol. 1987 Sep;61(3):268-70. PMID: 3668217

Article Published Date : Sep 01, 1987

Authors : A Datta, N C Sukul

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dog Diseases : CK(5) : AC(3), Pets: Heartworm : CK(3) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Pneumonia (AC 1) (CK 10)

Ginger extract reduces delayed gastric emptying and nosocomial pneumonia in adult respiratory distress syndrome patients hospitalized in an intensive care unit.

Pubmed Data : J Crit Care. 2010 Feb 9. Epub 2010 Feb 9. PMID: 20149584

Article Published Date : Feb 09, 2010

Authors : Zahra Vahdat Shariatpanahi, Fourogh Azam Taleban, Majid Mokhtari, Shaahin Shahbazi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastroparesis : CK(107) : AC(13), Pneumonia : CK(880) : AC(121), Respiratory Distress Syndrome : CK(29) : AC(12)

Polycystic Ovary Syndrome (AC 1) (CK 1)

Nutritional implications of ginger: chemistry, biological activities and signaling pathways.

Pubmed Data : J Nutr Biochem. 2020 Aug 19 ;86:108486. Epub 2020 Aug 19. PMID: 32827666

Article Published Date : Aug 18, 2020

Authors : Ryoiti Kiyama

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Endometriosis : CK(301) : AC(80), Menopausal Syndrome : CK(633) : AC(93), Osteoporosis : CK(2025) : AC(512), Polycystic Ovary Syndrome : CK(1093) : AC(163), Prostatic Hyperplasia : CK(22) : AC(3)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717), Neuroprotective Agents : CK(10404) : AC(4396), Osteoprotective : CK(971) : AC(351)

Postoperative Recovery (AC 1) (CK 10)

Effectiveness of ginger powder for the management of pain and gingival inflammation following open flap debridement is comparable to that of ibuprofen.

Pubmed Data : J Ayurveda Integr Med. 2020 Jul 2. Epub 2020 Jul 2. PMID: 32624375

Article Published Date : Jul 01, 2020

Authors : Pallavi Menon, Jayachandran Perayil, Angel Fenol, Maya Rajan Peter, P Lakshmi, Reshma Suresh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chronic Pain : CK(206) : AC(33), Periodontitis : CK(378) : AC(98), Postoperative Recovery : CK(227) : AC(22)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479)

Prediabetes (AC 1) (CK 10)

Ayurvedic polyherbal combination for prediabetes.

Pubmed Data : J Ayurveda Integr Med. 2019 Jan 17. Epub 2019 Jan 17. PMID: 30661947

Article Published Date : Jan 16, 2019

Authors : Amit Nakanekar, Kuldip Kohli, Pratima Tatke

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Guduchi : CK(93) : AC(21), Gymnema Sylvestre : CK(69) : AC(30), Pterocarpus marsupium : CK(39) : AC(17)
Diseases : Prediabetes : CK(192) : AC(23)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)

Premenopausal Disorders (AC 1) (CK 10)

Effect of treatment with ginger on the severity of premenstrual syndrome symptoms.

Pubmed Data : ISRN Obstet Gynecol. 2014 ;2014:792708. Epub 2014 May 4. PMID: 24944825

Article Published Date : Dec 31, 2013

Authors : Samira Khayat, Masoomeh Kheirkhah, Zahra Behboodi Moghadam, Hamed Fanaei, Amir Kasaeian, Mani Javadimehr

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Premenopausal Disorders : CK(80) : AC(8)

Premenstrual syndrome (AC 1) (CK 1)

This research demonstrated efficacy and safety of Iranian herbal medicines in alleviating PMS.

Pubmed Data : Avicenna J Phytomed. 2018 Mar-Apr;8(2):96-113. PMID: 29632841

Article Published Date : Feb 28, 2018

Authors : Nahid Maleki-Saghooni, Fatemeh Zahra Karimi, Zahra Behboodi Moghadam, Khadigeh Mirzaii Najmabadi

Study Type : Review
Additional Links
Substances : Chamomile : CK(706) : AC(130), Chaste Tree (Chasteberry) : CK(50) : AC(13), Curcumin : CK(5598) : AC(2788), Fennel : CK(305) : AC(66), Flaxseed : CK(1323) : AC(220), Ginger : CK(1514) : AC(444), Lemon Balm : CK(299) : AC(61), Orange : CK(345) : AC(71), Saffron : CK(864) : AC(189), St. Johns Wort : CK(322) : AC(101), Valerian : CK(253) : AC(46), Wheat Germ : CK(57) : AC(10), Zataria multiflora : CK(2) : AC(1)
Diseases : Premenstrual syndrome : CK(416) : AC(46)
Additional Keywords : Traditional Iranian Medicine : CK(10) : AC(1)

Prostate Cancer (AC 5) (CK 7)

Curcumin, Resveratrol and Gingerol decrease prostate inflammation

Pubmed Data : Carcinogenesis. 2007 Jun;28(6):1188-96. Epub 2006 Dec 6. PMID: **17151092**

Article Published Date : Jun 01, 2007

Authors : Larisa Nonn, David Duong, Donna M Peehl

Study Type : In Vitro Study
Additional Links
Substances : Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444), Resveratrol : CK(2037) : AC(1112)
Diseases : Prostate Cancer : CK(2407) : AC(834)
Pharmacological Actions : Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger phytochemicals inhibit cell growth and modulate drug resistance factors in docetaxel resistant prostate cancer cells.

Pubmed Data : Molecules. 2017 Sep 5 ;22(9). Epub 2017 Sep 5. PMID: **28872603**

Article Published Date : Sep 04, 2017

Authors : Chi-Ming Liu, Chiu-Li Kao, Yu-Ting Tseng, Yi-Ching Lo, Chung-Yi Chen

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: Drug Resistant : CK(715) : AC(493), Prostate Cancer : CK(2407) : AC(834)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Chemotherapeutic : CK(2328) : AC(1086)

Ginger protects against prostate cancer.

Pubmed Data : Mol Nutr Food Res. 2007 Dec;51(12):1492-502. PMID: **18030663**

Article Published Date : Dec 01, 2007

Authors : Yogeshwer Shukla, Sahdeo Prasad, Chitra Tripathi, Madhulika Singh, Jasmine George, Neetu Kalra

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Prostate Cancer : CK(2407) : AC(834)

Turmeric and ginger work synergistically to suppress prostate cancer cell lines.

Pubmed Data : J Basic Clin Physiol Pharmacol. 2012 Oct 12 ;0(0):1-8. Epub 2012 Oct 12. PMID: **23072849**

Article Published Date : Oct 11, 2012

Authors : Kesava Rao V Kurapati, Thangavel Samikkannu, Dakshayani B Kadiyala, Saiyed M Zainulabedin, Nimisha Gandhi, Sadhana S Sathaye, Manohar A Indap, Nawal Boukli, Jose W Rodriguez, Madhavan P N Nair

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Prostate Cancer : CK(2407) : AC(834)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506)

Whole ginger extract reduces prostate tumor size by 56% in mice.

Pubmed Data : Br J Nutr. 2011 Aug 18:1-12. Epub 2011 Aug 18. PMID: 21849094

Article Published Date : Aug 18, 2011

Authors : Prasanthi Karna, Sharmeen Chagani, Sushma R Gundala, Padmashree C G Rida, Ghazia Asif, Vibhuti Sharma, Meenakshi V Gupta, Ritu Aneja

Study Type : Transgenic Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Prostate Cancer : CK(2407) : AC(834)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)

Prostatic Hyperplasia (AC 1) (CK 1)

Nutritional implications of ginger: chemistry, biological activities and signaling pathways.

Pubmed Data : J Nutr Biochem. 2020 Aug 19 ;86:108486. Epub 2020 Aug 19. PMID: 32827666

Article Published Date : Aug 18, 2020

Authors : Ryoiti Kiyama

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Endometriosis : CK(301) : AC(80), Menopausal Syndrome : CK(633) : AC(93), Osteoporosis : CK(2025) : AC(512), Polycystic Ovary Syndrome : CK(1093) : AC(163), Prostatic Hyperplasia : CK(22) : AC(3)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717), Neuroprotective Agents : CK(10404) : AC(4396), Osteoprotective : CK(971) : AC(351)

Pseudomonas aeruginosa (AC 4) (CK 4)

Structural alterations in Pseudomonas aeruginosa by zingerone contribute to enhanced susceptibility to antibiotics, serum and phagocytes.

Pubmed Data : Life Sci. 2014 Nov 4 ;117(1):24-32. Epub 2014 Sep 30. PMID: 25277943

Article Published Date : Nov 03, 2014

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)

Diseases : Pseudomonas aeruginosa : CK(304) : AC(238)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Synergistic effect of biogenics derived from potential probiotics together with zingerone against biofilm formation by Pseudomonas aeruginosa PAO1.

Pubmed Data : Probiotics Antimicrob Proteins. 2021 Mar 30. Epub 2021 Mar 30. PMID: 33783720

Article Published Date : Mar 29, 2021

Authors : Swati Chandla, Kusum Harjai, Geeta Shukla

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Probiotics : CK(7680) : AC(1196)
Diseases : Pseudomonas aeruginosa : CK(304) : AC(238)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Anti-Bacterial Agents : CK(2894) : AC(1251), Natural Substance Synergy : CK(1094) : AC(506)

Zingerone inhibit biofilm formation and improve antibiofilm efficacy of ciprofloxacin against Pseudomonas aeruginosa PAO1.

Pubmed Data : Fitoterapia. 2013 Oct ;90:73-8. Epub 2013 Jul 4. PMID: 23831483

Article Published Date : Sep 30, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Pseudomonas aeruginosa : CK(304) : AC(238)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Biofilm : CK(99) : AC(71), Natural Substance/Drug Synergy : CK(957) : AC(485), Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Zingerone silences quorum sensing and attenuates virulence of Pseudomonas aeruginosa.

Pubmed Data : Fitoterapia. 2015 Apr ;102:84-95. Epub 2015 Feb 20. PMID: 25704369

Article Published Date : Mar 31, 2015

Authors : Lokender Kumar, Sanjay Chhibber, Rajnish Kumar, Manoj Kumar, Kusum Harjai

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Pseudomonas aeruginosa : CK(304) : AC(238)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Quorum Sensing Inhibition : CK(49) : AC(49)

Psoriasis (AC 1) (CK 1)

Effect of ginger on inflammatory diseases.

Pubmed Data : Molecules. 2022 Oct 25 ;27(21). Epub 2022 Oct 25. PMID: 36364048

Article Published Date : Oct 24, 2022

Authors : Pura Ballester, Begoña Cerdá, Raúl Arcusa, Javier Marhuenda, Karen Yamedjeu, Pilar Zafrilla

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Arthritis : CK(3858) : AC(899), Inflammation : CK(9572) : AC(3089), Psoriasis : CK(594) : AC(144)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Pyelonephritis (AC 1) (CK 2)

Both in vivo and in vitro results confirm the efficacy of black pepper, ginger and thyme extracts extracts as natural antimicrobials and suggests the possibility of using them in treatment procedures.

Pubmed Data : Int J Immunopathol Pharmacol. 2014 Oct-Dec;27(4):531-41. PMID: 25572733

Article Published Date : Sep 30, 2014

Authors : M A Nassan, E H Mohamed

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Ginger : CK(1514) : AC(444), Thyme : CK(140) : AC(70)
Diseases : Pyelonephritis : CK(29) : AC(7)
Pharmacological Actions : Antimicrobial : CK(1209) : AC(582)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Quality of Life: Poor (AC 1) (CK 10)

A statistically significant change from baseline for health related quality of life was detected after ginger essential oil inhalation.

Pubmed Data : Complement Ther Med. 2015 Jun ;23(3):396-404. Epub 2015 Apr 21. PMID: 26051575

Article Published Date : May 31, 2015

Authors : Pei Lin Lua, Noor Salihah, Nik Mazlan

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32), Quality of Life: Poor : CK(549) : AC(57)
Therapeutic Actions : Aromatherapy : CK(1092) : AC(119)
Additional Keywords : Essential Oils : CK(736) : AC(311), Significant Treatment Outcome : CK(3903) : AC(462)

Radiation Induced Illness (AC 3) (CK 5)

Ginger exhibits behavioral radioprotection against radiation-induced

taste aversion.

Pubmed Data : Pharmacol Biochem Behav. 2006 Jun;84(2):179-88. Epub 2006 Jun 21. PMID: 16797061

Article Published Date : Jun 01, 2006

Authors : Anupum Haksar, Ashok Sharma, Raman Chawla, Raj Kumar, Rajesh Arora, Surender Singh, J Prasad, M Gupta, R P Tripathi, M P Arora, F Islam, R K Sharma

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Radioprotective : CK(1668) : AC(521)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger protects mice against radiation-induced lethality.

Pubmed Data : Cancer Biother Radiopharm. 2004 Aug;19(4):422-35. PMID: 15453957

Article Published Date : Aug 01, 2004

Authors : Ganesh Jagetia, Manjeshwar Baliga, Ponemone Venkatesh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Oxidative Stress : CK(9437) : AC(3550), Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Radioprotective : CK(1668) : AC(521)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

This study demonstrates the protective effect of zingerone against radiation induced DNA damage and antiapoptotic effect in human lymphocytes.

Pubmed Data : Eur J Pharmacol. 2011 Apr 25 ;657(1-3):59-66. Epub 2011 Feb 16. PMID: 21335001

Article Published Date : Apr 24, 2011

Authors : Bhuvanagiri Nageshwar Rao, Parampalli Raghavendra Archana, Balkudru Kiran Aithal, Bola Sadashiva Satish Rao

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : DNA damage : CK(1997) : AC(713), Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Radioprotective : CK(1668) : AC(521)

Respiratory Distress Syndrome (AC 1) (CK 10)

Ginger extract reduces delayed gastric emptying and nosocomial pneumonia in adult respiratory distress syndrome patients hospitalized in an intensive care unit.

Pubmed Data : J Crit Care. 2010 Feb 9. Epub 2010 Feb 9. PMID: 20149584

Article Published Date : Feb 09, 2010

Authors : Zahra Vahdat Shariatpanahi, Fourogh Azam Taleban, Majid Mokhtari, Shaahin Shahbazi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastroparesis : CK(107) : AC(13), Pneumonia : CK(880) : AC(121), Respiratory Distress Syndrome : CK(29) :

AC(12)

Respiratory Syncytial Virus Infections (AC 1) (CK 5)

Fresh ginger (Zingiber officinale) has anti-viral activity against human respiratory syncytial virus in human respiratory tract cell lines.

Pubmed Data : J Ethnopharmacol. 2012 Nov 1. Epub 2012 Nov 1. PMID: 23123794

Article Published Date : Oct 31, 2012

Authors : Jung San Chang, Kuo Chih Wang, Chia Feng Yeh, Den En Shieh, Lien Chai Chiang

Study Type : Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Respiratory Syncytial Virus Infections : CK(123) : AC(45)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)
Additional Keywords : Fresh Versus Dried Potencies : CK(5) : AC(1)

Rhabdomyosarcoma (AC 1) (CK 1)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: 25939344

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Rhabdomyosarcoma : CK(8) : AC(5)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance/Drug Synergy : CK(957) : AC(485), Significant Treatment Outcome : CK(3903) : AC(462)

Rheumatoid Arthritis (AC 5) (CK 24)

Anti-inflammatory activity of ginger modulates macrophage activation against the inflammatory pathway of monosodium glutamat.

Pubmed Data : J Food Biochem. 2021 Jun 22:e13819. Epub 2021 Jun 22. PMID: 34159624

Article Published Date : Jun 21, 2021

Authors : Mai Abd El Hady Mousa, Hemmat Mansour, Fatma Eid, Alya Mashaal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328), Ulcerative Colitis : CK(666) : AC(196)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Polysaccharides : CK(625) : AC(392)
Problem Substances : Monosodium Glutamate (MSG) : CK(225) : AC(87)

Comparable efficacy of standardized Ayurveda formulation and hydroxychloroquine sulfate (HCQS) in the treatment of rheumatoid arthritis (RA).

Pubmed Data : Clin Rheumatol. 2012 Feb ;31(2):259-69. Epub 2011 Jul 20. PMID: 21773714

Article Published Date : Jan 31, 2012

Authors : Arvind Chopra, Manjit Saluja, Girish Tillu, Anuradha Venugopalan, Gumdal Narsimulu, Rohini Handa, Lata Bichile, Ashwinikumar Raut, Sanjeev Sarmukaddam, Bhushan Patwardhan

Study Type : Human Study
Additional Links
Substances : Ayurvedic Formulations : CK(158) : AC(25), Ginger : CK(1514) : AC(444)
Diseases : Rheumatoid Arthritis : CK(1546) : AC(328)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479), Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)
Problem Substances : Hydroxychloroquine sulfate : CK(10) : AC(1)

Encapsulation of ginger extract in nanoemulsions: preparation, characterization and in vivo evaluation in rheumatoid arthritis.

Pubmed Data : J Pharm Sci. 2023 Jun ;112(6):1687-1697. Epub 2023 Feb 10. PMID: 36773928

Article Published Date : May 31, 2023

Authors : Hassan Maleki, Hediyeh Azadi, Yaser Yousefpoor, Mahtab Doostan, Maryam Doostan, Mohammad Hosein Farzaei

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Ginger can improve rheumatoid arthritis by decreasing disease manifestations in patients.

Pubmed Data : Gene. 2019 May 25 ;698:179-185. Epub 2019 Mar 4. PMID: 30844477

Article Published Date : May 24, 2019

Authors : Naheed Aryaeian, Farhad Shahram, Mahdi Mahmoudi, Hajar Tavakoli, Bahman Yousefi, Tahereh Arablou, Sahar Jafari Karegar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Role of natural products in alleviation of rheumatoid arthritis.

Pubmed Data : J Food Biochem. 2021 Apr ;45(4):e13673. Epub 2021 Feb 24. PMID: 33624882

Article Published Date : Mar 31, 2021

Authors : Dhvani Sharma, Pramila Chaubey, Vasanti Suvarna

Study Type : Review
Additional Links
Substances : Carotenoids : CK(4265) : AC(1158), Flavonoids : CK(2352) : AC(870), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Rheumatoid Arthritis : CK(1546) : AC(328)
Therapeutic Actions : Dietary Modification: Mediterranean Diet : CK(1580) : AC(186), Dietary Modification: Vegan Diet : CK(125) : AC(16)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Rhinovirus Infection (AC 2) (CK 2)

Can an anti-inflammatory diet be effective in preventing or treating viral respiratory diseases?

Pubmed Data : Clin Nutr ESPEN. 2021 06 ;43:9-15. Epub 2021 Apr 24. PMID: 34024569

Article Published Date : Dec 31, 2020

Authors : Farhad Vahid, Diana Rahmani

Study Type : Review
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Omega-3 Fatty Acids : CK(4672) : AC(633), Onion : CK(420) : AC(124), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Adenoviridae Infections : CK(14) : AC(14), Coronavirus Infection : CK(1230) : AC(410), Inflammation : CK(9572) : AC(3089), Influenza : CK(1407) : AC(288), Rhinovirus Infection : CK(83) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger contains compounds which inhibit rhinoviral activity.

Pubmed Data : Brain Res. 2004 Sep 10;1020(1-2):1-11. PMID: 8064299

Article Published Date : Sep 10, 2004

Authors : C V Denyer, P Jackson, D M Loakes, M R Ellis, D A Young

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Rhinovirus Infection : CK(83) : AC(34)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Salmonella Infections (AC 1) (CK 1)

Coriander and cumin seed oil combination might be used as a potential

source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: 26132146

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study
Additional Links
Substances : Bay leaf : CK(58) : AC(30), Black Pepper : CK(714) : AC(307), Coriandor : CK(4) : AC(4), Cumin : CK(99) : AC(38), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Mustard Oil : CK(3) : AC(3), Mustard Oil : CK(3) : AC(3), Turmeric : CK(7078) : AC(3169)
Diseases : Bacillus Cereus infection : CK(29) : AC(28), Escherichia coli Infections : CK(401) : AC(297), Listeria Infections : CK(76) : AC(64), Micrococcus luteus infections : CK(5) : AC(5), Salmonella Infections : CK(149) : AC(113), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antimicrobial : CK(1209) : AC(582), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Essential Oils : CK(736) : AC(311), Natural Substance Synergy : CK(1094) : AC(506)

Schistosomiasis (AC 1) (CK 2)

Ginger has antischistosomal activity effect against Schistosoma mansoni harbored in mice.

Pubmed Data : Zhongguo Zhen Jiu. 2009 Mar;29(3):247-51. PMID: 21327992

Article Published Date : Mar 01, 2009

Authors : Osama M S Mostafa, Refaat A Eid, Mohamed A Adly

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Schistosomiasis : CK(48) : AC(23)

Sepsis (AC 2) (CK 7)

Zingerone could be a potential therapeutic agent for treatment of various severe vascular inflammatory diseases.

Pubmed Data : Arch Pharm Res. 2018 Mar ;41(3):276-287. Epub 2017 May 16. PMID: 28508944

Article Published Date : Feb 28, 2018

Authors : Gahee Min, Sae-Kwang Ku, Taeho Lee, Jong-Sup Bae

Study Type : Animal Study, Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Sepsis : CK(952) : AC(276)
Pharmacological Actions : Cytoprotective : CK(659) : AC(326)

Zingerone might be useful in the treatment of sepsis by targeting

HMGB1.

Pubmed Data : Toxicol Appl Pharmacol. 2017 08 15 ;329:202-211. Epub 2017 Jun 10. PMID: 28610995

Article Published Date : Jan 14, 2017

Authors : Wonhwa Lee, Sae-Kwang Ku, Jong-Sup Bae

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Endotoxemia : CK(219) : AC(91), Sepsis : CK(952) : AC(276)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Skin Cancer: Squamous Cell (AC 1) (CK 1)

A compound from ginger, 6]-gingerol, may be an effective agent in the treatment of skin cancer.

Pubmed Data : Chem Biol Interact. 2009 Sep 14;181(1):77-84. Epub 2009 May 27. PMID: 19481070

Article Published Date : Sep 14, 2009

Authors : Nidhi Nigam, Kulpreet Bhui, Sahdeo Prasad, Jasmine George, Yogeshwer Shukla

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Skin Cancer: Squamous Cell : CK(58) : AC(22)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)

Squamous cell carcinoma (AC 1) (CK 1)

Anti-cancer effects of traditional medicinal herbs on oral squamous cell carcinoma.

Pubmed Data : Asian Pac J Cancer Prev. 2020 Feb 1 ;21(2):479-484. Epub 2020 Feb 1. PMID: 32102527

Article Published Date : Jan 31, 2020

Authors : Ali Dehghani Nazhvani, Najmeh Sarafraz, Fatemeh Askari, Fahimeh Heidari, Mahboobeh Razmkhah

Study Type : In Vitro Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189)
Diseases : Oral Cancer : CK(510) : AC(245), Squamous cell carcinoma : CK(427) : AC(218)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Autophagy Up-regulation : CK(518) : AC(349)

Staphylococcus aureus infection (AC 6) (CK 6)

Antibacterial activity and mechanism of ginger essential oil against Escherichia coli and Staphylococcus aureus.

Pubmed Data : Molecules. 2020 Aug 30 ;25(17). Epub 2020 Aug 30. PMID: 32872604

Article Published Date : Aug 29, 2020

Authors : Xin Wang, Yi Shen, Kiran Thakur, Jinzhi Han, Jian-Guo Zhang, Fei Hu, Zhao-Jun Wei

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Escherichia coli Infections : CK(401) : AC(297), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: 26132146

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study
Additional Links
Substances : Bay leaf : CK(58) : AC(30), Black Pepper : CK(714) : AC(307), Coriandor : CK(4) : AC(4), Cumin : CK(99) : AC(38), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Mustard Oil : CK(3) : AC(3), Mustard Oil : CK(3) : AC(3), Turmeric : CK(7078) : AC(3169)
Diseases : Bacillus Cereus infection : CK(29) : AC(28), Escherichia coli Infections : CK(401) : AC(297), Listeria Infections : CK(76) : AC(64), Micrococcus luteus infections : CK(5) : AC(5), Salmonella Infections : CK(149) : AC(113), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antimicrobial : CK(1209) : AC(582), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Essential Oils : CK(736) : AC(311), Natural Substance Synergy : CK(1094) : AC(506)

Ginger and bitter kola exhibit antibacterial effects on respiratory tract pathogens.

Pubmed Data : East Afr Med J. 2002 Nov;79(11):588-92. PMID: 12630492

Article Published Date : Nov 01, 2002

Authors : J F T K Akoachere, R N Ndip, E B Chenwi, L M Ndip, T E Njock, D N Anong

Study Type : In Vitro Study
Additional Links
Substances : Garcinia kola : CK(23) : AC(4), Ginger : CK(1514) : AC(444)
Diseases : Haemophilus influenzae : CK(59) : AC(16), Staphylococcus aureus infection : CK(498) : AC(374), Streptococcus pyogenes : CK(58) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger essential oil exerts anti-bacteria activity.

Pubmed Data : Mater Sci Eng C Mater Biol Appl. 2017 Apr 1 ;73:381-387. Epub 2016 Dec 27. PMID: 28183622

Article Published Date : Mar 31, 2017

Authors : Hong Lei, Qiaonian Wei, Qing Wang, Anxiang Su, Mei Xue, Qin Liu, Qiuhui Hu

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Escherichia coli Infections : CK(401) : AC(297), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Gingerenone-A and shogaol may have potential as SaHPPK inhibitors against staphylococcus aureus.

Pubmed Data : Ann Clin Microbiol Antimicrob. 2018 Apr 2 ;17(1):16. Epub 2018 Apr 2. PMID: 29609660

Article Published Date : Apr 01, 2018

Authors : Shailima Rampogu, Ayoung Baek, Rajesh Goud Gajula, Amir Zeb, Rohit S Bavi, Raj Kumar, Yongseong Kim, Yong Jung Kwon, Keun Woo Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Enzyme Inhibitors : CK(692) : AC(347)

The influence of hemp extract in combination with ginger on the metabolic activity of metastatic cells and microorganisms.

Pubmed Data : Molecules. 2020 Oct 28 ;25(21). Epub 2020 Oct 28. PMID: 33126621

Article Published Date : Oct 27, 2020

Authors : Taja Žitek, Maja Leitgeb, Andrej Golle, Barbara Dariš, Željko Knez, Maša Knez Hrnčič

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Hemp Seed : CK(92) : AC(45)
Diseases : Hemp Seed : CK(92) : AC(45), Escherichia coli Infections : CK(401) : AC(297), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)

Steatorrhea (AC 1) (CK 2)

Dietary ginger and other spice compounds enhance fat digestion and absorption in high-fat fed situation through enhanced secretion of bile salts and a stimulation of the activity pancreatic lipase.

Pubmed Data : J Sci Food Agric. 2011 Sep 14. Epub 2011 Sep 14. PMID: 21918995

Article Published Date : Sep 13, 2011

Authors : Usha Ns Prakash, Krishnapura Srinivasan

Study Type : Animal Study
Additional Links
Substances : Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Piperine : CK(320) : AC(159)
Diseases : Fat Malabsorption : CK(2) : AC(1), Indigestion: Fats : CK(2) : AC(1), Steatorrhea : CK(12) : AC(3)
Pharmacological Actions : Enzyme Inhibitors: Pancreatic Lipase : CK(46) : AC(19)

Streptococcus Infections (AC 1) (CK 1)

Anti-microbial activity of Rosmarinus officinalis and Zingiber officinale extracts on the species of the genus Candida and on Streptococcus pneumonia.

Pubmed Data : Ann Pharm Fr. 2021 Jan ;79(1):62-69. Epub 2020 Jun 18. PMID: 32565159

Article Published Date : Dec 31, 2020

Authors : S Akroum

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Rosemary : CK(413) : AC(163)
Diseases : Candida Infection : CK(389) : AC(181), Streptococcus Infections : CK(546) : AC(117)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antifungal Agents : CK(494) : AC(306)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Streptococcus pyogenes (AC 1) (CK 1)

Ginger and bitter kola exhibit antibacterial effects on respiratory tract pathogens.

Pubmed Data : East Afr Med J. 2002 Nov;79(11):588-92. PMID: 12630492

Article Published Date : Nov 01, 2002

Authors : J F T K Akoachere, R N Ndip, E B Chenwi, L M Ndip, T E Njock, D N Anong

Study Type : In Vitro Study
Additional Links
Substances : Garcinia kola : CK(23) : AC(4), Ginger : CK(1514) : AC(444)
Diseases : Haemophilus influenzae : CK(59) : AC(16), Staphylococcus aureus infection : CK(498) : AC(374), Streptococcus pyogenes : CK(58) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Stroke: PostStroke Urinary Disorders (AC 1) (CK 10)

Ginger-salt moxibustion is therapeutic for poststroke urinary disorders.

Pubmed Data : Zhongguo Zhen Jiu. 2006 Sep;26(9):621-4. PMID: 17036477

Article Published Date : Sep 01, 2006

Authors : Hui-lin Liu, Lin-peng Wang

Study Type : Human Study
Additional Links

Substances : Ginger : CK(1514) : AC(444)
Diseases : Neurogenic Bladder : CK(91) : AC(10), Stroke: PostStroke Urinary Disorders : CK(10) : AC(1)
Therapeutic Actions : Moxibustion : CK(296) : AC(30)

Testicular Injury: Chemical/Metal Induced (AC 2) (CK 4)

Protective effect of zingerone against mouse testicular damage induced by zinc oxide nanoparticles.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jul 3. Epub 2019 Jul 3. PMID: 31270769

Article Published Date : Jul 02, 2019

Authors : Zeinab Rafiee, Layasadat Khorsandi, Fereshteh Nejad-Dehbashi

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Testicular Injury: Chemical/Metal Induced : CK(340) : AC(174)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Spermatogenic : CK(34) : AC(12)
Problem Substances : Nanoparticles : CK(79) : AC(45), Zinc Oxide : CK(27) : AC(13)

The protective effect of cinnamon and ginger hydro-alcoholic extract on carbon tetrachloride-induced testicular damage.

Pubmed Data : Andrologia. 2020 May 26:e13651. Epub 2020 May 26. PMID: 32453896

Article Published Date : May 25, 2020

Authors : Mohammad Mazani, Masoud Ojarudi, Shokofeh Banaei, Ramin Salimnejad, Milad Latifi, Hanieh Azizi, Lotfollah Rezagholizadeh

Study Type : Animal Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Testicular Injury: Chemical/Metal Induced : CK(340) : AC(174)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)

Thrombosis (AC 1) (CK 1)

Aqueous extracts of onion, garlic and ginger inhibit platelet aggregation and may be useful as natural antithrombotic agents.

Pubmed Data : Biomed Biochim Acta. 1984;43(8-9):S335-46. PMID: 6440548

Article Published Date : Jan 01, 1984

Authors : K C Srivastava

Study Type : In Vitro Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Onion : CK(420) : AC(124)
Diseases : Thrombosis : CK(338) : AC(93)
Pharmacological Actions : Anti-Platelet : CK(137) : AC(47), Anti-thrombotic : CK(76) : AC(32)

Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Toxoplasma gondii Infection (AC 1) (CK 1)

A review of medicinal plants that exhibit anti-Toxoplasma effects.

Pubmed Data : Asian Pac J Trop Med. 2016 Aug ;9(8):730-4. Epub 2016 Jun 28. PMID: 27569880

Article Published Date : Jul 31, 2016

Authors : Ibrahim Al Nasr, Faiyaz Ahmed, Fawaz Pullishery, Saeed El-Ashram, Vardharajula Venkata Ramaiah

Study Type : Review
Additional Links
Substances : Capparis spinosa (caper) : CK(18) : AC(12), Ginger : CK(1514) : AC(444), Juniper : CK(30) : AC(22), Myrrh : CK(85) : AC(41), Sophora Flavescens : CK(43) : AC(17), Tongkat Ali : CK(62) : AC(17), Turmeric : CK(7078) : AC(3169)
Diseases : Toxoplasma gondii Infection : CK(599) : AC(108)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)

Traumatic Brain Injury (AC 1) (CK 10)

Effect of a Boswellia and ginger mixture on the memory dysfunction of the mild traumatic brain injury patients.

Pubmed Data : Bull Emerg Trauma. 2022 ;10(4):157-164. PMID: 36568722

Article Published Date : Dec 31, 2021

Authors : Omid Yousefi, Shahab Ghazi-Mirsaiid, Pouria Azami, Ghazal Karimi, Arash Mani, Amin Niakan, Hosseinali Khalili

Study Type : Human Study
Additional Links
Substances : Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444)
Diseases : Traumatic Brain Injury : CK(88) : AC(25)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Trigeminal Neuralgia (AC 1) (CK 2)

The traditional Japanese herbal formula Saiko-Keishi-To controls pain in trigeminal neuralgia in rats.

Pubmed Data : Masui. 2001 May;50(5):486-90. PMID: 11424461

Article Published Date : May 01, 2001

Authors : M Sunagawa, M Okada, S Y Guo, T Hisamitsu

Study Type : Animal Study
Additional Links

Substances : Bupleurum : CK(6) : AC(3), Chinese Skullcap : CK(143) : AC(75), Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Japanese Herbal Formula: Sho-saiko-to : CK(2) : AC(1), Jujube : CK(86) : AC(41), Licorice : CK(697) : AC(305), Peony : CK(294) : AC(125), Pinellia : CK(3) : AC(2)
Diseases : Trigeminal Neuralgia : CK(143) : AC(19)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)

Triglycerides: Elevated (AC 1) (CK 10)

Daily administration of 1,000 mg ginger reduces serum triglyceride concentration, which is a risk factor for cardiovascular disease in peritoneal dialysis patients.

Pubmed Data : Perit Dial Int. 2015 Oct 16. Epub 2015 Oct 16. PMID: 26475844

Article Published Date : Oct 15, 2015

Authors : Hadi Tabibi, Hossein Imani, Shahnaz Atabak, Iraj Najafi, Mehdi Hedayati, Leila Rahmani

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiovascular Disease: Prevention : CK(6355) : AC(1018), Hemodialysis : CK(950) : AC(99), Triglycerides: Elevated : CK(916) : AC(152)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Risk Reduction : CK(15144) : AC(1708)

Trypanosomiasis (AC 1) (CK 2)

Decreased parasite load, as detected by qPCR, was observed in all treatment groups.

Pubmed Data : BMC Complement Med Ther. 2021 Feb 25 ;21(1):77. Epub 2021 Feb 25. PMID:33632196

Article Published Date : Feb 24, 2021

Authors : Marcella Paula Mansano Sarto, Hevillyn Fernanda Lucas da Silva, Nilma de Souza Fernandes, Ana Paula de Abreu, Gerson Zanusso Junior, Max Jean de Ornelas Toledo

Study Type : Animal Study
Additional Links
Substances : Clove : CK(177) : AC(99), Ginger : CK(1514) : AC(444)
Diseases : Trypanosomiasis : CK(4) : AC(3)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Tuberculosis (AC 1) (CK 10)

Ginger supplementation with antitubercular treatment significantly lowered TNF alpha, ferritin and MDA concentrations.

Pubmed Data : J Complement Integr Med. 2016 Jun 1 ;13(2):201-6. PMID: 27089418

Article Published Date : May 31, 2016

Authors : Rashmi Anant Kulkarni, Ajit Ramesh Deshpande

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Tuberculosis : CK(686) : AC(141)
Therapeutic Actions : Integrative Medicine : CK(501) : AC(69)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Tumors (AC 1) (CK 1)

Zingiber zerumbet (a member of the ginger family) contains compounds that inhibit histone deacetylase and exhibited growth inhibitory activity on various human tumor cell lines.

Pubmed Data : Pharmazie. 2008 Oct;63(10):774-6. PMID: 18972844

Article Published Date : Oct 01, 2008

Authors : Ill-Min Chung, Min-Young Kim, Won-Hwan Park, Hyung-In Moon

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Tumors : CK(205) : AC(120)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Histone deacetylase inhibitor : CK(98) : AC(69)

Ulcerative Colitis (AC 1) (CK 2)

Anti-inflammatory activity of ginger modulates macrophage activation against the inflammatory pathway of monosodium glutamat.

Pubmed Data : J Food Biochem. 2021 Jun 22:e13819. Epub 2021 Jun 22. PMID: 34159624

Article Published Date : Jun 21, 2021

Authors : Mai Abd El Hady Mousa, Hemmat Mansour, Fatma Eid, Alya Mashaal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328), Ulcerative Colitis : CK(666) : AC(196)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Polysaccharides : CK(625) : AC(392)
Problem Substances : Monosodium Glutamate (MSG) : CK(225) : AC(87)

Ultraviolet Radiation Induced Damage (AC 1) (CK 1)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: 29117507

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Ultraviolet Radiation Induced Damage : CK(461) : AC(215)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Photoprotective : CK(446) : AC(198), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Upper Respiratory Infections (AC 2) (CK 2)

Can an anti-inflammatory diet be effective in preventing or treating viral respiratory diseases?

Pubmed Data : Clin Nutr ESPEN. 2021 06 ;43:9-15. Epub 2021 Apr 24. PMID: 34024569

Article Published Date : Dec 31, 2020

Authors : Farhad Vahid, Diana Rahmani

Study Type : Review
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Omega-3 Fatty Acids : CK(4672) : AC(633), Onion : CK(420) : AC(124), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Adenoviridae Infections : CK(14) : AC(14), Coronavirus Infection : CK(1230) : AC(410), Inflammation : CK(9572) : AC(3089), Influenza : CK(1407) : AC(288), Rhinovirus Infection : CK(83) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger and bitter kola exhibit antibacterial effects on respiratory tract pathogens.

Pubmed Data : East Afr Med J. 2002 Nov;79(11):588-92. PMID: 12630492

Article Published Date : Nov 01, 2002

Authors : J F T K Akoachere, R N Ndip, E B Chenwi, L M Ndip, T E Njock, D N Anong

Study Type : In Vitro Study
Additional Links
Substances : Garcinia kola : CK(23) : AC(4), Ginger : CK(1514) : AC(444)
Diseases : Haemophilus influenzae : CK(59) : AC(16), Staphylococcus aureus infection : CK(498) : AC(374), Streptococcus pyogenes : CK(58) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)

Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Uremia (AC 1) (CK 2)

Ginger extract markedly decreases Blood Urea Nitrogen (BUN) in a mouse model of uremia.

Pubmed Data : Pak J Biol Sci. 2007 Sep 1;10(17):2968-71. PMID: 19090210

Article Published Date : Sep 01, 2007

Authors : Modaresi Mehrdad, Manouchehr Messripour, Mozhgan Ghobadipour

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Uremia : CK(93) : AC(21)

Uterine Bleeding (AC 1) (CK 10)

Ginger is an effective supplement for heavy menstrual bleeding.

Pubmed Data : Phytother Res. 2014 Oct 8. Epub 2014 Oct 8. PMID: 25298352

Article Published Date : Oct 07, 2014

Authors : Farzaneh Kashefi, Marjan Khajehei, Mohammad Alavinia, Ebrahim Golmakani, Javad Asili

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bleeding: Excessive : CK(12) : AC(2), Menorrhagia : CK(32) : AC(5), Uterine Bleeding : CK(20) : AC(2)

Vertigo (AC 1) (CK 10)

Ginger root reduces vertigo in human subjects.

Pubmed Data : ORL J Otorhinolaryngol Relat Spec. 1986;48(5):282-6. PMID: 3537898

Article Published Date : Jan 01, 1986

Authors : A Grøntved, E Hentzer

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Vertigo : CK(81) : AC(8)

Weight Gain: Drug-Induced (AC 1) (CK 2)

Beneficial effect of Zingiber officinale on olanzapine-induced weight gain and metabolic changes.

Pubmed Data : J Diabetes Metab Disord. 2021 Jun ;20(1):41-48. Epub 2021 Jan 6. PMID: 34178822

Article Published Date : May 31, 2021

Authors : Mrityunjaya B Ullagaddi, B M Patil, Pukar Khanal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Weight Gain: Drug-Induced : CK(63) : AC(7)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Weight Probems: Appetite (AC 1) (CK 10)

Ginger consumption enhances the thermic effect of food and promotes feelings of satiety without affecting metabolic and hormonal parameters in overweight men.

Pubmed Data : Metabolism. 2012 Oct ;61(10):1347-52. Epub 2012 Apr 24. PMID: 22538118

Article Published Date : Sep 30, 2012

Authors : Muhammad S Mansour, Yu-Ming Ni, Amy L Roberts, Michael Kelleman, Arindam Roychoudhury, Marie-Pierre St-Onge

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Overweight : CK(8557) : AC(1798), Weight Probems: Appetite : CK(162) : AC(22)
Pharmacological Actions : Thermogenic : CK(57) : AC(9)

Xerostomia (AC 1) (CK 10)

Comparison of the effect of ginger and aloe vera mouthwashes on xerostomia in patients with type 2 diabetes.

Pubmed Data : Med Oral Patol Oral Cir Bucal. 2021 Jul 1 ;26(4):e408-e413. Epub 2021 Jul 1. PMID: 34162822

Article Published Date : Jun 30, 2021

Authors : F Badooei, E Imani, S Hosseini-Teshnizi, M Banar, M Memarzade

Study Type : Human Study
Additional Links
Substances : Aloe Vera : CK(725) : AC(189), Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Xerostomia : CK(41) : AC(5)

Category : Pharmacological Actions

5-Lipoxygenase Inhibitor (AC 1) (CK 1)

Active compounds in Zingiber officinale as possible redox inhibitors of 5-lipoxygenase using an in silico approach.

Pubmed Data : Int J Mol Sci. 2022 May 29 ;23(11). Epub 2022 May 29. PMID: 35682770

Article Published Date : May 28, 2022

Authors : Jaqueline Stephanie Ley-Martínez, Jose Erick Ortega-Valencia, Oscar García-Barradas, Maribel Jiménez-Fernández, Esmeralda Uribe-Lam, Carlos Iván Vencedor-Meraz, Jacqueline Oliva-Ramírez

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : 5-Lipoxygenase Inhibitor : CK(35) : AC(21), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Acetylcholinesterase Inhibitor (AC 4) (CK 6)

A combined plant extract WS-5 could be applied as a natural product therapy with a focus on neuroinflammation-related neurodegenerative disorders.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5160293. Epub 2019 Apr 1. PMID: 31057649

Article Published Date : Dec 31, 2018

Authors : Ju Eun Kim, Abinash Chandra Shrestha, Hyo Shin Kim, Ha Neul Ham, Jun Hyeong Kim, Yeong Jee Kim, Yun Jeong Noh, Su Jin Kim, Dae Keun Kim, Hyung Kwon Jo, Dae Sung Kim, Kwang Hyun Moon, Jeong Ho Lee, Kyung Ok Jeong, Jae Yoon Leem

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Neuroprotective Agents : CK(10404) : AC(4396)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: 30402094

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study

Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cadmium Poisoning : CK(306) : AC(152)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Possible role of common spices as a preventive and therapeutic agent for Alzheimer's disease.

Pubmed Data : Int J Prev Med. 2017 ;8:5. Epub 2017 Feb 7. PMID: **28250905**

Article Published Date : Dec 31, 2016

Authors : Omid Mirmosayyeb, Amirpouya Tanhaei, Hamid R Sohrabi, Ralph N Martins, Mana Tanhaei, Mohammad Amin Najafi, Ali Safaei, Rokhsareh Meamar

Study Type : Review
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Culinary Herbs and Spices : CK(11065) : AC(3218), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Dementia : CK(1689) : AC(279)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334)

The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α-glycosidase enzymes.

Pubmed Data : J Biochem Mol Toxicol. 2017 Dec ;31(12). Epub 2017 Sep 13. PMID: **28902458**

Article Published Date : Nov 30, 2017

Authors : Parham Taslimi, Cuneyt Caglayan, İlhami Gulcin

Study Type : In Vitro Study
Additional Links
Substances : Carvacrol : CK(219) : AC(118), Chrysin : CK(436) : AC(269), Citrus naringin : CK(401) : AC(221), Ginger : CK(1514) : AC(444), Hesperidin : CK(545) : AC(215), Polyphenols : CK(1878) : AC(700)
Diseases : Hypoglycemia : CK(345) : AC(83)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Alpha-glucosidase inhibitor : CK(274) : AC(201), Hypoglycemic Agents : CK(5366) : AC(1338)

Adenosine deaminase inhibitor (AC 1) (CK 2)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: **30305562**

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)

Pharmacological Actions : Adenosine deaminase inhibitor : CK(20) : AC(7), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Aldose reductase inhibitor (AC 2) (CK 20)

Ginger is an aldose reductase inhibitor which may have contribute to the protection against diabetic complications.

Pubmed Data : J Agric Food Chem. 2006 Sep 6;54(18):6640-4. PMID: 16939321

Article Published Date : Sep 06, 2006

Authors : Atsushi Kato, Yasuko Higuchi, Hirozo Goto, Haruhisa Kizu, Tadashi Okamoto, Naoki Asano, Jackie Hollinshead, Robert J Nash, Isao Adachi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Aldose reductase inhibitor : CK(32) : AC(9)

Ginger supplementation is an effective treatment for type 2 diabetes.

Pubmed Data : Int J Food Sci Nutr. 2014 Feb 4. Epub 2014 Feb 4. PMID: 24490949

Article Published Date : Feb 03, 2014

Authors : Tahereh Arablou, Naheed Aryaeian, Majid Valizadeh, Faranak Sharifi, Aghafatemeh Hosseini, Mahmoud Djalali

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetes Mellitus: Type 1: Prevention : CK(320) : AC(75), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148)
Pharmacological Actions : Aldose reductase inhibitor : CK(32) : AC(9)

Alpha-glucosidase inhibitor (AC 1) (CK 1)

The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α-glycosidase enzymes.

Pubmed Data : J Biochem Mol Toxicol. 2017 Dec ;31(12). Epub 2017 Sep 13. PMID: 28902458

Article Published Date : Nov 30, 2017

Authors : Parham Taslimi, Cuneyt Caglayan, İlhami Gulcin

Study Type : In Vitro Study
Additional Links
Substances : Carvacrol : CK(219) : AC(118), Chrysin : CK(436) : AC(269), Citrus naringin : CK(401) : AC(221), Ginger : CK(1514) : AC(444), Hesperidin : CK(545) : AC(215), Polyphenols : CK(1878) : AC(700)
Diseases : Hypoglycemia : CK(345) : AC(83)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Alpha-glucosidase inhibitor : CK(274) : AC(201), Hypoglycemic Agents : CK(5366) : AC(1338)

Analgesics (AC 18) (CK 150)

A highly standardised ginger and Echinacea extract could be beneficial for people with knee osteoarthritis.

Pubmed Data : Nat Prod Res. 2016 Oct 13:1-5. Epub 2016 Oct 13. PMID: **27737573**

Article Published Date : Oct 12, 2016

Authors : Mariangela Rondanelli, Antonella Riva, Paolo Morazzoni, Pietro Allegrini, Milena Anna Faliva, Maurizio Naso, Alessandra Miccono, Gabriella Peroni, Irene Degli Agosti, Simone Perna

Study Type : Human Study
Additional Links
Substances : Echinacea : CK(838) : AC(218), Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)

A syrup, composed of a combination of honey and ginger could be used for improvement of symptomatic treatment of osteoarthritis.

Pubmed Data : J Clin Pharm Ther. 2022 Dec ;47(12):2295-2301. Epub 2022 Nov 30. PMID: **36453014**

Article Published Date : Nov 30, 2022

Authors : Fariba Afshar, Nafiseh Abdolahi, Gholamreza Amin, Hadi Esmaily, Shadi Ziayie, Saeed Azimi, Behnam Darvishi, Shima Afshar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Aromatherapy massage performed in elderly patients with knee osteoarthritis reduced pain and improved functional status and quality of life.

Pubmed Data : Jpn J Nurs Sci. 2019 May 30. Epub 2019 May 30. PMID: **31144450**

Article Published Date : May 29, 2019

Authors : Seda Pehlivan, Ayfer Karadakovan

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Rosemary : CK(413) : AC(163)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Therapeutic Actions : Aromatherapy : CK(1092) : AC(119)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Ayurvedic medicine offers a good alternative to glucosamine and celecoxib in the treatment of symptomatic knee osteoarthritis.

Pubmed Data : Rheumatology (Oxford). 2013 Aug ;52(8):1408-17. Epub 2013 Jan 30. PMID: **23365148**

Article Published Date : Jul 31, 2013

Authors : Arvind Chopra, Manjit Saluja, Girish Tillu, Sanjeev Sarmukkaddam, Anuradha Venugopalan, Gumdal Narsimulu, Rohini Handa, Venil Sumantran, Ashwinikumar Raut, Lata Bichile, Kalpana Joshi, Bhushan Patwardhan

Study Type : Human Study
Additional Links
Substances : Amla Fruit : CK(238) : AC(84), Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Guduchi : CK(93) : AC(21)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Clinical trials on pain lowering effect of ginger: A narrative review

Pubmed Data : Phytother Res. 2020 May 20. Epub 2020 May 20. PMID: 32436242

Article Published Date : May 19, 2020

Authors : Mariangela Rondanelli, Federica Fossari, Viviana Vecchio, Clara Gasparri, Gabriella Peroni, Daniele Spadaccini, Antonella Riva, Giovanna Petrangolini, Giancarlo Iannello, Mara Nichetti, Vittoria Infantino, Simone Perna

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chronic Pain : CK(206) : AC(33)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)

Collectively these RCTs provide suggestive evidence for the effectiveness of 750-2000 mg ginger powder during the first 3-4 days of menstrual cycle for primary dysmenorrhea.

Pubmed Data : Pain Med. 2015 Jul 14. Epub 2015 Jul 14. PMID: 26177393

Article Published Date : Jul 13, 2015

Authors : James W Daily, Xin Zhang, Da Sol Kim, Sunmin Park

Study Type : Meta Analysis, Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dysmenorrhea : CK(692) : AC(71)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Significant Treatment Outcome : CK(3903) : AC(462)

Effectiveness of ginger powder for the management of pain and gingival inflammation following open flap debridement is comparable to that of ibuprofen.

Pubmed Data : J Ayurveda Integr Med. 2020 Jul 2. Epub 2020 Jul 2. PMID: 32624375

Article Published Date : Jul 01, 2020

Authors : Pallavi Menon, Jayachandran Perayil, Angel Fenol, Maya Rajan Peter, P Lakshmi, Reshma Suresh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chronic Pain : CK(206) : AC(33), Periodontitis : CK(378) : AC(98), Postoperative Recovery : CK(227) : AC(22)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479)

Ginger (Zingiber officinale Roscoe) elicits antinociceptive properties and potentiates morphine-induced analgesia in the rat radiant heat tail-flick test.

Pubmed Data : J Med Food. 2010 Dec ;13(6):1397-401. PMID: 21091253

Article Published Date : Nov 30, 2010

Authors : Reza Sepahvand, Saeed Esmaeili-Mahani, Ardeshir Arzi, Bahram Rasoulian, Mehdi Abbasnejad

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Morphine Tolerance/Dependence : CK(159) : AC(51), Pain : CK(1332) : AC(208)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Drug Synergy : CK(381) : AC(167), Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger and cinnamon intake have positive effects on inflammation and muscle soreness endued by exercise in Iranian female athletes.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S11-5. PMID: **23717759**

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Awat Feizi, Mitra Hariri, Leila Darvishi, Azam Barani, Maryam Taghiyar, Afshin Shiranian, Maryam Hajishafiee

Study Type : Human Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Muscle Soreness: Exercise-Induced : CK(204) : AC(22)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger as a nutraceutical: Focus on the metabolic, analgesic, and antiinflammatory effects.

Pubmed Data : Phytother Res. 2020 Dec 5. Epub 2020 Dec 5. PMID: **33278054**

Article Published Date : Dec 04, 2020

Authors : Ester Pagano, Eliana B Souto, Alessandra Durazzo, Javad Sharifi-Rad, Massimo Lucarini, Selma B Souto, Bahare Salehi, Wissam Zam, Vittorino Montanaro, Giuseppe Lucariello, Angelo A Izzo, Antonello Santini, Barbara Romano

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Dysmenorrhea : CK(692) : AC(71), Hyperlipidemia : CK(1569) : AC(402), Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger as well as Novafen is effective in relieving pain in girls with primary dysmenorrhea.

Pubmed Data : Taiwan J Obstet Gynecol. 2018 Dec ;57(6):806-809. PMID: **30545531**

Article Published Date : Nov 30, 2018

Authors : Hajar Adib Rad, Zahra Basirat, Fatemeh Bakouei, Ali Akbar Moghadamnia, Soraya Khafri, Zeynab Farhadi Kotenaei, Maryam Nikpour, Somayeh Kazemi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dysmenorrhea : CK(692) : AC(71)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)

Ginger extracts and its compound, 6-shogaol could reduce pain symptoms in painful diabetic neuropathy.

Pubmed Data : J Ethnopharmacol. 2019 Nov 16. Epub 2019 Nov 16. PMID: **31743763**

Article Published Date : Nov 15, 2019

Authors : Fifteen Aprila Fajrin, Agung Endro Nugroho, Arief Nurrochmad, Rina Susilowati

Study Type : Animal Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Diabetic Neuropathy : CK(244) : AC(65)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)

Red ginger oil has antihyperalgesia activity in mice with chronic pain and could be developed further to be antihyperalgesia.

Pubmed Data : Pak J Pharm Sci. 2019 Jul ;32(4):1663-1669. PMID: **31608888**

Article Published Date : Jun 30, 2019

Authors : Fifteen Aprila Fajrin, Azham Purwandhono, Fransisca Maria Christianty, Gati Dwi Sulistyaningrum, - Afifah, Nidia Imandasari, Tsabit Barki

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Self-knee massage with ginger oil in patients with osteoarthritis.

Pubmed Data : Res Theory Nurs Pract. 2017 Nov 1 ;31(4):379-392. PMID: **29137696**

Article Published Date : Oct 31, 2017

Authors : Betul Tosun, Nursemin Unal, Deniz Yigit, Nuray Can, Ozlem Aslan, Servet Tunay

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Therapeutic Actions : Massage/Therapeutic Touch : CK(933) : AC(94)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Plant Oils : CK(229) : AC(87)

The traditional Japanese herbal formula Saiko-Keishi-To controls pain in trigeminal neuralgia in rats.

Pubmed Data : Masui. 2001 May;50(5):486-90. PMID: **11424461**

Article Published Date : May 01, 2001

Authors : M Sunagawa, M Okada, S Y Guo, T Hisamitsu

Study Type : Animal Study
Additional Links
Substances : Bupleurum : CK(6) : AC(3), Chinese Skullcap : CK(143) : AC(75), Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Japanese Herbal Formula: Sho-saiko-to : CK(2) : AC(1), Jujube : CK(86) : AC(41), Licorice : CK(697) : AC(305), Peony : CK(294) : AC(125), Pinellia : CK(3) : AC(2)
Diseases : Trigeminal Neuralgia : CK(143) : AC(19)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)

Treatment of primary dysmenorrhea in students with ginger for 5 days had a statistically significant effect on relieving intensity and duration of pain.

Pubmed Data : BMC Complement Altern Med. 2012 ;12:92. Epub 2012 Jul 10. PMID: **22781186**

Article Published Date : Dec 31, 2011

Authors : Parvin Rahnama, Ali Montazeri, Hassan Fallah Huseini, Saeed Kianbakht, Mohsen Naseri

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dysmenorrhea : CK(692) : AC(71)

Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Two grams of ginger may have anti-inflammation and analgesic effect on delayed onset muscle soreness.

Pubmed Data : Med J Islam Repub Iran. 2015 ;29:261. Epub 2015 Sep 12. PMID: **26793652**

Article Published Date : Dec 31, 2014

Authors : Khadijeh Hoseinzadeh, Farhad Daryanoosh, Parvin Javad Baghdasar, Hamid Alizadeh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Muscle Soreness : CK(86) : AC(12)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingiberaceae extracts are clinically effective hypoalgesic agents and the available data show a better safety profile than non steroidal anti inflammatory drugs.

Pubmed Data : Nutr J. 2015 ;14:50. Epub 2015 May 14. PMID: **25972154**

Article Published Date : Dec 31, 2014

Authors : Shaheen E Lakhan, Christopher T Ford, Deborah Tepper

Study Type : Meta Analysis, Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Chronic Pain : CK(206) : AC(33)
Pharmacological Actions : Analgesics : CK(3498) : AC(646)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)
Problem Substances : Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) : CK(2825) : AC(496)

Angiogenesis Inhibitors (AC 2) (CK 2)

Ginger: A novel strategy to battle cancer through modulating cell signalling pathways.

Pubmed Data : Curr Pharm Biotechnol. 2019 Jan 19. Epub 2019 Jan 19. PMID: **30659535**

Article Published Date : Jan 18, 2019

Authors : Ahmad Almatroudi, Mohammed A Alsahli, Faris Alrumaihi, Khaled S Allemailem, Arshad Husain Rahmani

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Angiogenesis Inhibitors : CK(488) : AC(296), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

Mechanisms of chemopreventive and therapeutic proprieties of ginger extracts in cancer.

Pubmed Data : Int J Mol Sci. 2021 Jun 20 ;22(12). Epub 2021 Jun 20. PMID: **34202966**

Article Published Date : Jun 19, 2021

Authors : Mariia Zadorozhna, Domenica Mangieri

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Angiogenesis Inhibitors : CK(488) : AC(296), Antiproliferative : CK(6801) : AC(5032), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)

Anti-Allergic Agents (AC 2) (CK 12)

Ginger and constituent 6-gingerol could be used the prevention or alleviation of allergic rhinitis symptoms.

Pubmed Data : J Nutr Biochem. 2015 Sep 1. Epub 2015 Sep 1. PMID: 26403321

Article Published Date : Aug 31, 2015

Authors : Yoshiyuki Kawamoto, Yuki Ueno, Emiko Nakahashi, Momoko Obayashi, Kento Sugihara, Shanlou Qiao, Machiko Iida, Mayuko Y Kumasaka, Ichiro Yajima, Yuji Goto, Nobutaka Ohgami, Masashi Kato, Kozue Takeda

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Allergic Rhinitis : CK(781) : AC(126), Allergic Rhinitis: Prevention : CK(12) : AC(2)
Pharmacological Actions : Anti-Allergic Agents : CK(442) : AC(150), Immunomodulatory : CK(4048) : AC(1475)

The ginger extract is as good as loratadine in improving nasal symptoms and quality of life in allergic rhinitis patients.

Pubmed Data : BMC Complement Med Ther. 2020 Apr 20 ;20(1):119. Epub 2020 Apr 20. PMID: 32312261

Article Published Date : Apr 19, 2020

Authors : Rodsarin Yamprasert, Waipoj Chanvimalueng, Nichamon Mukkasombut, Arunporn Itharat

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Allergic Rhinitis : CK(781) : AC(126)
Pharmacological Actions : Anti-Allergic Agents : CK(442) : AC(150)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479), Plant Extracts : CK(14140) : AC(5210), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Anti-Angiogenic (AC 1) (CK 2)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: 27293376

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Angiogenic : CK(347) : AC(234), Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815), Vascular Endothelial Growth Factor Inhibitors : CK(435) : AC(247)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Anti-Anxiety Agents (AC 1) (CK 10)

Hab-o Shefa, a Persian medicine compound for maintenance treatment of opioid dependence.

Pubmed Data : J Altern Complement Med. 2020 May ;26(5):376-383. Epub 2020 Feb 28. PMID: 32109133

Article Published Date : Apr 30, 2020

Authors : Abdolali Moosavyzadeh, Azarakhsh Mokri, Farzaneh Ghaffari, Soghrat Faghihzadeh, Hossein Azizi, Razieh Jafari Hajati, Mohsen Naseri

Study Type : Human Study
Additional Links
Substances : Datura stramonium : CK(1) : AC(1), Ginger : CK(1514) : AC(444), Rhubarb : CK(149) : AC(65)
Diseases : Anxiety : CK(3360) : AC(595), Opioid Tolerance/Dependence : CK(1) : AC(1)
Pharmacological Actions : Anti-Anxiety Agents : CK(2913) : AC(487)

Anti-Apoptotic (AC 11) (CK 21)

6-shogaol from dried ginger protects against intestinal ischemia/reperfusion.

Pubmed Data : Mol Nutr Food Res. 2023 Jul ;67(13):e2200773. Epub 2023 May 14. PMID: 37118920

Article Published Date : Jun 30, 2023

Authors : Bin Li, Yunxiang Wang, Xin Yuan, Guanting Liu, Yunpeng Diao, Jing Liu

Study Type : Animal Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Myocardial Ischemia : CK(528) : AC(256)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Cardioprotective : CK(5377) : AC(1675)

Anti-inflammatory and -apoptotic effects of a long-term herbal extract treatment on DSS-induced colitis.

Pubmed Data : Nutr Metab (Lond). 2021 Aug 11 ;18(1):77. Epub 2021 Aug 11. PMID: 34380504

Article Published Date : Aug 10, 2021

Authors : Fatemeh Azizian-Farsani, Marcin Osuchowski, Navid Abedpoor, Farzad Seyed Forootan, Maryam Derakhshan, Mohammad Hossein Nasr-Esfahani, Mohammad Hasan Sheikhha, Kamran Ghaedi

Study Type : Animal Study
Additional Links

Substances : Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Colitis : CK(840) : AC(406)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: **30121057**

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, HalilİIbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Protective mechanisms of 10-gingerol against myocardial ischemia.

Pubmed Data : Biomed Pharmacother. 2022 Jul ;151:113082. Epub 2022 May 12. PMID: **35569350**

Article Published Date : Jun 30, 2022

Authors : Xue Han, Jiaying Qi, Yakun Yang, Bin Zheng, Miaomiao Liu, Yu Liu, Li Li, Shengjiang Guan, Qingzhong Jia, Li Chu

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Myocardial Ischemia : CK(528) : AC(256)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Cardioprotective : CK(5377) : AC(1675)

Synergistic apoptotic effects of ethanolic extracts of ginger and Ganoderma lucidum in a colorectal cancer cell line.

Pubmed Data : Biotech Histochem. 2023 Nov ;98(5):353-359. Epub 2023 Mar 27. PMID: **36970755**

Article Published Date : Oct 31, 2023

Authors : Amir Mohammad Saeedifar, Ali Ghazavi, Ghasem Mosayebi, Ali Ganji

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Reishi Mushroom : CK(406) : AC(202)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506)

This study demonstrates the protective effect of zingerone against radiation induced DNA damage and antiapoptotic effect in human lymphocytes.

Pubmed Data : Eur J Pharmacol. 2011 Apr 25 ;657(1-3):59-66. Epub 2011 Feb 16. PMID: **21335001**

Article Published Date : Apr 24, 2011

Authors : Bhuvanagiri Nageshwar Rao, Parampalli Raghavendra Archana, Balkudru Kiran Aithal, Bola Sadashiva Satish Rao

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)

Diseases : DNA damage : CK(1997) : AC(713), Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Radioprotective : CK(1668) : AC(521)

Z. officinale rhizome extract exerts a protective role against diabetes-induced renal injury.

Pubmed Data : Biomed Pharmacother. 2018 Jun 29 ;106:381-389. Epub 2018 Jun 29. PMID: **29966984**

Article Published Date : Jun 28, 2018

Authors : Amir M Al Hroob, Mohammad H Abukhalil, Reham D Alghonmeen, Ayman M Mahmoud

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: **28442378**

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Alcoholic Liver Disease : CK(389) : AC(168), DNA damage : CK(1997) : AC(713)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Bcl-2 protein down-regulation : CK(553) : AC(407), Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)

Zingerone prevented cardiomyocyte apoptosis, by virtue of its antioxidant and anti-apoptotic properties.

Pubmed Data : Eur J Pharmacol. 2018 Feb 15 ;821:105-111. Epub 2017 Oct 2. PMID: **28982542**

Article Published Date : Feb 14, 2018

Authors : Ponnian Stanely Mainzen Prince, Kunchupillai Lakhsmanan Hemalatha

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675)
Problem Substances : Isoproterenol : CK(65) : AC(35)

Zingiber officinale ameliorates Alzheimer's disease and Cognitive Impairments.

Pubmed Data : Biomed Pharmacother. 2021 Jan ;133:111088. Epub 2020 Dec 15. PMID: **33378982**

Article Published Date : Dec 31, 2020

Authors : Marjan Talebi, Selen İlgün, Vida Ebrahimi, Mohsen Talebi, Tahereh Farkhondeh, Hadi Ebrahimi, Saeed Samarghandian

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Cognitive Decline/Dysfunction : CK(3236) : AC(654)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingiber officinale diminishes diazinon-induced hepatotoxicity by suppressing oxidative stress and apoptosis.

Pubmed Data : Biotech Histochem. 2020 Jul 16:1-7. Epub 2020 Jul 16. PMID: 32672073

Article Published Date : Jul 15, 2020

Authors : Saeed Yaghubi Beklar, Maedeh Hamzeh, Abbasali Karimpour Malekshah, Fereshteh Talebpour Amiri

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Pesticide Toxicity : CK(1245) : AC(376)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Pesticides : CK(2214) : AC(420)

Anti-Bacterial Agents (AC 16) (CK 26)

Anti-microbial activity of Rosmarinus officinalis and Zingiber officinale extracts on the species of the genus Candida and on Streptococcus pneumonia.

Pubmed Data : Ann Pharm Fr. 2021 Jan ;79(1):62-69. Epub 2020 Jun 18. PMID: 32565159

Article Published Date : Dec 31, 2020

Authors : S Akroum

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Rosemary : CK(413) : AC(163)
Diseases : Candida Infection : CK(389) : AC(181), Streptococcus Infections : CK(546) : AC(117)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antifungal Agents : CK(494) : AC(306)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Antibacterial activity and mechanism of ginger essential oil against Escherichia coli and Staphylococcus aureus.

Pubmed Data : Molecules. 2020 Aug 30 ;25(17). Epub 2020 Aug 30. PMID: 32872604

Article Published Date : Aug 29, 2020

Authors : Xin Wang, Yi Shen, Kiran Thakur, Jinzhi Han, Jian-Guo Zhang, Fei Hu, Zhao-Jun Wei

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Escherichia coli Infections : CK(401) : AC(297), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Antibacterial activity of Rosmarinus officinalis, Zingiber officinale, Citrus aurantium bergamia, and Copaifera officinalis against Enterococcus faecalis.

Pubmed Data : Biomed Res Int. 2019 ;2019:8129439. Epub 2019 Dec 12. PMID: 31915705

Article Published Date : Dec 31, 2018

Authors : Silmara Silva, Nayane Alves, Priscila Silva, Thalita Vieira, Panmella Maciel, Lúcio Roberto Castellano, Paulo Bonan, Christianne Velozo, Diana Albuquerque

Study Type : In Vitro Study
Additional Links
Substances : Bitter Orange : CK(165) : AC(48), Ginger : CK(1514) : AC(444), Rosemary : CK(413) : AC(163)
Diseases : Enterococcus Infections : CK(50) : AC(45)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)

Comparative antibacterial effects of ginger and marjoram extract versus conventional irrigants on mature Enterococcus faecalis biofilms.

Pubmed Data : J Clin Exp Dent. 2023 Apr ;15(4):e304-e310. Epub 2023 Apr 1. PMID: **37152491**

Article Published Date : Mar 31, 2023

Authors : Hadi Mokhtari, Mahsa Eskandarinezhad, Mohammadhossein-Soruosh Barhaghi, Solmaz Asnaashari, Fatemeh-Yeghaneh Sefidan, Atefeh Abedi, Sepideh Alizadeh

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Marjoram : CK(52) : AC(15)
Diseases : Enterococcus Infections : CK(50) : AC(45)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Anti-Bacterial Agents : CK(2894) : AC(1251)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: **26132146**

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study
Additional Links
Substances : Bay leaf : CK(58) : AC(30), Black Pepper : CK(714) : AC(307), Coriandor : CK(4) : AC(4), Cumin : CK(99) : AC(38), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Mustard Oil : CK(3) : AC(3), Mustard Oil : CK(3) : AC(3), Turmeric : CK(7078) : AC(3169)
Diseases : Bacillus Cereus infection : CK(29) : AC(28), Escherichia coli Infections : CK(401) : AC(297), Listeria Infections : CK(76) : AC(64), Micrococcus luteus infections : CK(5) : AC(5), Salmonella Infections : CK(149) : AC(113), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antimicrobial : CK(1209) : AC(582), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Essential Oils : CK(736) : AC(311), Natural Substance Synergy : CK(1094) : AC(506)

Ginger and bitter kola exhibit antibacterial effects on respiratory tract pathogens.

Pubmed Data : East Afr Med J. 2002 Nov;79(11):588-92. PMID: **12630492**

Article Published Date : Nov 01, 2002

Authors : J F T K Akoachere, R N Ndip, E B Chenwi, L M Ndip, T E Njock, D N Anong

Study Type : In Vitro Study
Additional Links
Substances : Garcinia kola : CK(23) : AC(4), Ginger : CK(1514) : AC(444)
Diseases : Haemophilus influenzae : CK(59) : AC(16), Staphylococcus aureus infection : CK(498) : AC(374), Streptococcus pyogenes : CK(58) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger essential oil and fractions against Mycobacterium spp.

Pubmed Data : J Ethnopharmacol. 2019 Jul 17:112095. Epub 2019 Jul 17. PMID: **31325601**

Article Published Date : Jul 16, 2019

Authors : Vanessa Pietrowski Baldin, Regiane Bertin de Lima Scodro, Carla Maria Mariano Fernandez, Andressa Lorena Ieque, Katiany Rizzieri Caleffi-Ferracioli, Vera Lucia Dias Siqueira, Aryadne Larissa de Almeida, José Eduardo Gonçalves, Diógenes Aparício Garcia Cortez, Rosilene Fressatti Cardoso

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Mycobacterium Infections : CK(167) : AC(84)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Ginger essential oil exerts anti-bacteria activity.

Pubmed Data : Mater Sci Eng C Mater Biol Appl. 2017 Apr 1 ;73:381-387. Epub 2016 Dec 27. PMID: **28183622**

Article Published Date : Mar 31, 2017

Authors : Hong Lei, Qiaonian Wei, Qing Wang, Anxiang Su, Mei Xue, Qin Liu, Qiuhui Hu

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Escherichia coli Infections : CK(401) : AC(297), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Ginger has a gastroprotective effect through its acid blocking and anti-Helico bacter pylori activity.

Pubmed Data : Evid Based Complement Alternat Med. 2009 Jul 1. PMID: **19570992**

Article Published Date : Jul 01, 2009

Authors : Siddaraju M Nanjundaiah, Harish Nayaka Mysore Annaiah, Shylaja M Dharmesh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Acid Reflux : CK(389) : AC(52), Gastroesophageal Reflux : CK(389) : AC(52), Helicobacter Pylori Infection : CK(966) : AC(207)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Proton Pump Inhibitor : CK(38) : AC(14)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479), Prevacid (Lansoprazole) Alternatives : CK(6) : AC(3)

Structural alterations in Pseudomonas aeruginosa by zingerone contribute to enhanced susceptibility to antibiotics, serum and phagocytes.

Pubmed Data : Life Sci. 2014 Nov 4 ;117(1):24-32. Epub 2014 Sep 30. PMID: **25277943**

Article Published Date : Nov 03, 2014

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Pseudomonas aeruginosa : CK(304) : AC(238)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Synergistic effect of biogenics derived from potential probiotics together with zingerone against biofilm formation by Pseudomonas aeruginosa PAO1.

Pubmed Data : Probiotics Antimicrob Proteins. 2021 Mar 30. Epub 2021 Mar 30. PMID: 33783720

Article Published Date : Mar 29, 2021

Authors : Swati Chandla, Kusum Harjai, Geeta Shukla

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Probiotics : CK(7680) : AC(1196)
Diseases : Pseudomonas aeruginosa : CK(304) : AC(238)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Anti-Bacterial Agents : CK(2894) : AC(1251), Natural Substance Synergy : CK(1094) : AC(506)

The gastro-protective effect of ginger in Helicobacter pylori positive functional dyspepsia.

Pubmed Data : Adv Pharm Bull. 2019 Jun ;9(2):321-324. Epub 2019 Jun 1. PMID: 31380260

Article Published Date : May 31, 2019

Authors : Vahideh Ebrahimzadeh Attari, Mohammad Hosein Somi, Mohammad Asghari Jafarabadi, Alireza Ostadrahimi, Seyed-Yaghob Moaddab, Neda Lotfi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dyspepsia : CK(371) : AC(44), Helicobacter Pylori Infection : CK(966) : AC(207)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Gastroprotective : CK(955) : AC(388)

The influence of hemp extract in combination with ginger on the metabolic activity of metastatic cells and microorganisms.

Pubmed Data : Molecules. 2020 Oct 28 ;25(21). Epub 2020 Oct 28. PMID: 33126621

Article Published Date : Oct 27, 2020

Authors : Taja Žitek, Maja Leitgeb, Andrej Golle, Barbara Dariš, Željko Knez, Maša Knez Hrnčič

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Hemp Seed : CK(92) : AC(45)
Diseases : Hemp Seed : CK(92) : AC(45), Escherichia coli Infections : CK(401) : AC(297), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)

These spices could be as potential antimicrobial agents for inclusion in the anti-enterococcal treatment regimen.

Pubmed Data : Arch Med Sci. 2015 Aug 12 ;11(4):863-8. Epub 2015 Aug 11. PMID: 26322099

Article Published Date : Aug 11, 2015

Authors : Sharma Revati, Chapagain Bipin, Pai Bhat Chitra, Bhattacharjee Minakshi

Study Type : In Vitro Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Clove : CK(177) : AC(99), Cumin : CK(99) : AC(38), Ginger : CK(1514) : AC(444)
Diseases : Enterococcus Infections : CK(50) : AC(45)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Antibiotic Resistance : CK(70) : AC(13)

Zingerone inhibit biofilm formation and improve antibiofilm efficacy of ciprofloxacin against Pseudomonas aeruginosa PAO1.

Pubmed Data : Fitoterapia. 2013 Oct ;90:73-8. Epub 2013 Jul 4. PMID: 23831483

Article Published Date : Sep 30, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : In Vitro Study

Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Pseudomonas aeruginosa : CK(304) : AC(238)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251)
Additional Keywords : Biofilm : CK(99) : AC(71), Natural Substance/Drug Synergy : CK(957) : AC(485), Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Zingerone silences quorum sensing and attenuates virulence of Pseudomonas aeruginosa.

Pubmed Data : Fitoterapia. 2015 Apr ;102:84-95. Epub 2015 Feb 20. PMID: 25704369

Article Published Date : Mar 31, 2015

Authors : Lokender Kumar, Sanjay Chhibber, Rajnish Kumar, Manoj Kumar, Kusum Harjai

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Pseudomonas aeruginosa : CK(304) : AC(238)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Quorum Sensing Inhibition : CK(49) : AC(49)

Anti-Cachexic Agents (AC 1) (CK 10)

The effect of ginger in patients with advanced cancer.

Pubmed Data : Support Care Cancer. 2019 Nov 19. Epub 2019 Nov 19. PMID: 31745695

Article Published Date : Nov 18, 2019

Authors : Ravi Bhargava, Martin Chasen, Michael Elten, Neil MacDonald

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cachexia: Cancer : CK(125) : AC(41), Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-Cachexic Agents : CK(79) : AC(26), Chemotherapeutic : CK(2328) : AC(1086)

Anti-Fibrotic (AC 2) (CK 4)

Anti-inflammatory activity of ginger modulates macrophage activation against the inflammatory pathway of monosodium glutamat.

Pubmed Data : J Food Biochem. 2021 Jun 22:e13819. Epub 2021 Jun 22. PMID: 34159624

Article Published Date : Jun 21, 2021

Authors : Mai Abd El Hady Mousa, Hemmat Mansour, Fatma Eid, Alya Mashaal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328), Ulcerative Colitis : CK(666) : AC(196)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Polysaccharides : CK(625) : AC(392)
Problem Substances : Monosodium Glutamate (MSG) : CK(225) : AC(87)

Ginger extract protects the heart against inflammation and fibrosis in diabetes.

Pubmed Data : Can J Diabetes. 2020 Sep 2. Epub 2020 Sep 2. PMID: 33162372

Article Published Date : Sep 01, 2020

Authors : Tara Abdi, Maryam Mahmoudabady, Hadi Zare Marzouni, Saeed Niazmand, Majid Khazaei

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetic Complications : CK(3199) : AC(1009), Myocardial Fibrosis : CK(140) : AC(64)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Anti-Glycation Agents (AC 2) (CK 2)

Bioactive compounds isolated from apple, tea, and ginger protect against dicarbonyl induced stress in cultured human retinal epithelial cells.

Pubmed Data : Phytomedicine. 2016 Feb 15 ;23(2):200-13. Epub 2016 Jan 5. PMID: 26926182

Article Published Date : Feb 14, 2016

Authors : Chethan Sampath, Yingdong Zhu, Shengmin Sang, Mohamed Ahmedna

Study Type : In Vitro Study
Additional Links
Substances : Apple Polyphenols : CK(175) : AC(62), EGCG (Epigallocatechin gallate) : CK(1091) : AC(605), Ginger : CK(1514) : AC(444)
Diseases : Advanced Glycation End products (AGE) : CK(440) : AC(176), Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Glycation Agents : CK(197) : AC(100), Antioxidants : CK(21528) : AC(8856), Nrf2 activation : CK(1584) : AC(916)

These findings showed the potential effects of 6S and 6G on the prevention of protein glycation.

Pubmed Data : Chem Res Toxicol. 2015 Aug 6. Epub 2015 Aug 6. PMID: 26247545

Article Published Date : Aug 05, 2015

Authors : Yingdong Zhu, Yantao Zhao, Pei Wang, Mohamed Ahmedna, Shengmin Sang

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Advanced Glycation Endproduct (AGE) Formation : CK(7) : AC(3), Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Glycation Agents : CK(197) : AC(100)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Anti-Inflammatory Agents (AC 93) (CK 212)

"Ginger extract (Zingiber officinale) has anti-cancer and anti-inflammatory effects on ethionine-induced hepatoma rats."

Pubmed Data : Clinics (Sao Paulo). 2008 Dec ;63(6):807-13. PMID: 19061005

Article Published Date : Dec 01, 2008

Authors : Shafina Hanim Mohd Habib, Suzana Makpol, Noor Aini Abdul Hamid, Srijit Das, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer: Prevention : CK(207) : AC(41)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antineoplastic Agents : CK(1847) : AC(1170), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

6-Gingerol attenuates ventilator-induced lung injury via anti-inflammation and antioxidative stress.

Pubmed Data : Int Immunopharmacol. 2021 Mar ;92:107367. Epub 2021 Jan 15. PMID: 33461160

Article Published Date : Feb 28, 2021

Authors : Wei Hong, Fang Xiang Zhi, Tu Han Kun, Feng Jie Hua, Li Huan Ling, Fang Fang, Chen Wen, Wang Jie, Li Chao Yang

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lung Injury: Acute : CK(321) : AC(159), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : NF-kappaB Inhibitor : CK(3536) : AC(2098)

6-Gingerol, a compound found within ginger, inhibits inflammation.

Pubmed Data : Biochem Biophys Res Commun. 2009 Apr 24;382(1):134-9. Epub 2009 Mar 4. PMID: 19268427

Article Published Date : Apr 24, 2009

Authors : Tzung-Yan Lee, Ko-Chen Lee, Shih-Yuan Chen, Hen-Hong Chang

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: 25811848

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Oxidative Stress : CK(9437) : AC(3550)

Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396), Nitric Oxide Inhibitor : CK(498) : AC(258)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: **25789481**

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Central Nervous System Diseases : CK(36) : AC(30), Cerebral Ischemia : CK(670) : AC(304)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Paradols : CK(1) : AC(1)

A combination of ginger and peony root may prevent memory impairment in AD by inhibiting Aβ accumulation and inflammation in the brain.

Pubmed Data : J Alzheimers Dis. 2015 Nov 30. Epub 2015 Nov 30. PMID: **26639976**

Article Published Date : Nov 29, 2015

Authors : Soonmin Lim, Jin Gyu Choi, Minho Moon, Hyo Geun Kim, Wonil Lee, Hyoung-Rok Bak, Hachang Sung, Chi Hye Park, Sun Yeou Kim, Myung Sook Oh

Study Type : Transgenic Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Peony : CK(294) : AC(125)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Brain Inflammation : CK(1101) : AC(567)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: **31531114**

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Aging : CK(3728) : AC(933), Alzheimer's Disease : CK(3372) : AC(1307), Hypertension : CK(6384) : AC(950), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: **23717767**

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Inflammation : CK(9572) : AC(3089), Liver Disease: Oxidative Stress : CK(12) : AC(6), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antioxidants : CK(21528) : AC(8856), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Gastrointestinal Agents : CK(3145) : AC(843)

A review of the protective and therapeutic potential of ginger extract and 6-gingerol in cancer.

Pubmed Data : Phytother Res. 2018 Jul 16. Epub 2018 Jul 16. PMID: **30009484**

Article Published Date : Jul 15, 2018

Authors : Rosália Maria Tôrres de Lima, Antonielly Campinho Dos Reis, Ag-Anne Pereira Melo de Menezes, José Victor de Oliveira Santos, José Williams Gomes de Oliveira Filho, José Roberto de Oliveira Ferreira, Marcus Vinícius Oliveira Barros de Alencar, Ana Maria Oliveira Ferreira da Mata, Ishaq N Khan, Amirul Islam, Shaikh Jamal Uddin, Eunüs S Ali, Muhammad Torequl Islam, Swati Tripathi, Siddhartha Kumar Mishra, Mohammad S Mubarak, Ana Amélia de Carvalho Melo-Cavalcante

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

A subcritical water extract of soil grown Zingiber officinale Roscoe: Comparative analysis of antioxidant and anti-inflammatory effects.

Pubmed Data : Front Pharmacol. 2023 ;14:1006265. Epub 2023 Feb 8. PMID: **36843947**

Article Published Date : Dec 31, 2022

Authors : Azraul Mumtazah Razak, Siti Nor Asyikin Zakaria, Nur Fathiah Abdul Sani, Nazirah Ab Rani, Nur Haleeda Hakimi, Mazlina Mohd Said, Jen Kit Tan, Han Kwang Gan, Mariam Firdhaus Mad Nordin, Suzana Makpol

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Active compounds in Zingiber officinale as possible redox inhibitors of 5-lipoxygenase using an in silico approach.

Pubmed Data : Int J Mol Sci. 2022 May 29 ;23(11). Epub 2022 May 29. PMID: **35682770**

Article Published Date : May 28, 2022

Authors : Jaqueline Stephanie Ley-Martínez, Jose Erick Ortega-Valencia, Oscar García-Barradas, Maribel Jiménez-Fernández, Esmeralda Uribe-Lam, Carlos Iván Vencedor-Meraz, Jacqueline Oliva-Ramírez

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : 5-Lipoxygenase Inhibitor : CK(35) : AC(21), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ameliorative and protective effects of ginger and its main constituents against natural, chemical and radiation-induced toxicities.

Pubmed Data : Food Chem Toxicol. 2018 Oct 22 ;123:72-97. Epub 2018 Oct 22. PMID: **30352300**

Article Published Date : Oct 21, 2018

Authors : Muhammad A Alsherbiny, Wessam H Abd-Elsalam, Shymaa A El Badawy, Ehab Taher, Mohamed Fares, Allan Torres, Dennis Chang, Chun Guang Li

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Chemoprotective Agents : CK(2322) : AC(906), Radioprotective : CK(1668) : AC(521)

An extract of Z. cassumunar and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: **25840633**

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Allergic Airway Diseases : CK(80) : AC(32), Allergies : CK(1381) : AC(280), Hypersensitivity: Respiratory : CK(12) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Enzyme Inhibitors : CK(692) : AC(347), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Anti-inflammatory activity of ginger modulates macrophage activation against the inflammatory pathway of monosodium glutamat.

Pubmed Data : J Food Biochem. 2021 Jun 22:e13819. Epub 2021 Jun 22. PMID: **34159624**

Article Published Date : Jun 21, 2021

Authors : Mai Abd El Hady Mousa, Hemmat Mansour, Fatma Eid, Alya Mashaal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328), Ulcerative Colitis : CK(666) : AC(196)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Polysaccharides : CK(625) : AC(392)
Problem Substances : Monosodium Glutamate (MSG) : CK(225) : AC(87)

Anti-inflammatory and -apoptotic effects of a long-term herbal extract treatment on DSS-induced colitis.

Pubmed Data : Nutr Metab (Lond). 2021 Aug 11 ;18(1):77. Epub 2021 Aug 11. PMID: **34380504**

Article Published Date : Aug 10, 2021

Authors : Fatemeh Azizian-Farsani, Marcin Osuchowski, Navid Abedpoor, Farzad Seyed Forootan, Maryam Derakhshan, Mohammad Hossein Nasr-Esfahani, Mohammad Hasan Sheikhha, Kamran Ghaedi

Study Type : Animal Study
Additional Links
Substances : Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Colitis : CK(840) : AC(406)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334),

Interleukin-6 Downregulation : CK(5029) : AC(1994)

Anti-inflammatory and anti-thrombotic effects of zingerone in a rat model of myocardial infarction.

Pubmed Data : Eur J Pharmacol. 2016 Nov 15 ;791:595-602. Epub 2016 Aug 26. PMID: **27568839**

Article Published Date : Nov 14, 2016

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Anti-inflammatory effect and signaling mechanism of 8-shogaol and 10-shogaol in a dextran sodium sulfate-induced colitis.

Pubmed Data : Heliyon. 2023 Jan ;9(1):e12778. Epub 2023 Jan 5. PMID: **36647352**

Article Published Date : Dec 31, 2022

Authors : Ha-Rim Kim, Eun-Mi Noh, Seon-Young Kim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colitis : CK(840) : AC(406)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ayurvedic polyherbal formulation in moderate SARS-CoV-2 infections and its impact on inflammatory biomarkers.

Pubmed Data : Phytother Res. 2022 Nov 23. Epub 2022 Nov 23. PMID: **36419388**

Article Published Date : Nov 22, 2022

Authors : Deepa Chitre, Satej Nadkarni, Namdev Jagtap, Rahul Tulle, Amol Gitte, Prashant Rahate, Sunetra Chaskar, Debendranath Dey

Study Type : In Vitro Study
Additional Links
Substances : Ashwagandha : CK(418) : AC(173), Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Benefits of ginger and Its constituent 6-shogaol in inhibiting inflammatory processes.

Pubmed Data : Pharmaceuticals (Basel). 2021 Jun 15 ;14(6). Epub 2021 Jun 15. PMID: **34203813**

Article Published Date : Jun 14, 2021

Authors : Iris Bischoff-Kont, Robert Fürst

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Can an anti-inflammatory diet be effective in preventing or treating viral respiratory diseases?

Pubmed Data : Clin Nutr ESPEN. 2021 06 ;43:9-15. Epub 2021 Apr 24. PMID: 34024569

Article Published Date : Dec 31, 2020

Authors : Farhad Vahid, Diana Rahmani

Study Type : Review
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Omega-3 Fatty Acids : CK(4672) : AC(633), Onion : CK(420) : AC(124), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Adenoviridae Infections : CK(14) : AC(14), Coronavirus Infection : CK(1230) : AC(410), Inflammation : CK(9572) : AC(3089), Influenza : CK(1407) : AC(288), Rhinovirus Infection : CK(83) : AC(34), Upper Respiratory Infections : CK(1612) : AC(216)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Cardioprotective effect of zingerone against oxidative stress, inflammation, and apoptosis induced by cisplatin or gamma radiation.

Pubmed Data : Naunyn Schmiedebergs Arch Pharmacol. 2018 May 7. Epub 2018 May 7. PMID: 29736620

Article Published Date : May 06, 2018

Authors : Ahmed F Soliman, Lobna M Anees, Doaa M Ibrahim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906), Radioprotective : CK(1668) : AC(521)

Comparison of phytochemicals, antioxidant and anti-inflammatory properties of sun-, oven- and freeze-dried ginger extracts.

Pubmed Data : Foods. 2019 Oct 6 ;8(10). Epub 2019 Oct 6. PMID: 31590464

Article Published Date : Oct 05, 2019

Authors : Iswaibah Mustafa, Nyuk Ling Chin, Sharida Fakurazi, Arulselvan Palanisamy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: 30402094

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cadmium Poisoning : CK(306) : AC(152)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Effect of ginger on inflammatory diseases.

Pubmed Data : Molecules. 2022 Oct 25 ;27(21). Epub 2022 Oct 25. PMID: 36364048

Article Published Date : Oct 24, 2022

Authors : Pura Ballester, Begoña Cerdá, Raúl Arcusa, Javier Marhuenda, Karen Yamedjeu, Pilar Zafrilla

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Arthritis : CK(3858) : AC(899), Inflammation : CK(9572) : AC(3089), Psoriasis : CK(594) : AC(144)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Effects of Zingiber officinale extract supplementation on metabolic and genotoxic parameters in diet-induced obesity.

Pubmed Data : Br J Nutr. 2020 Dec 16:1-12. Epub 2020 Dec 16. PMID: 33323139

Article Published Date : Dec 15, 2020

Authors : Thaís Fernandes Luciano, Claudio Teodoro De Souza, Ricardo Aurino Pinho, Schérolin de Oliveira Marques, Gabriel Paulino Luiz, Natalia Dos Santos Tramontin, Paulo Cesar Lock da Silveira, Vanessa Moraes de Andrade, Alexandre Pastoris Muller

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Elucidating the beneficial effects of ginger in Parkinson's disease.

Pubmed Data : ACS Pharmacol Transl Sci. 2022 Oct 14 ;5(10):838-848. Epub 2022 Sep 7. PMID: 36268117

Article Published Date : Oct 13, 2022

Authors : Efthalia Angelopoulou, Yam Nath Paudel, Sokratis G Papageorgiou, Christina Piperi

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Encapsulation of ginger extract in nanoemulsions: preparation, characterization and in vivo evaluation in rheumatoid arthritis.

Pubmed Data : J Pharm Sci. 2023 Jun ;112(6):1687-1697. Epub 2023 Feb 10. PMID: 36773928

Article Published Date : May 31, 2023

Authors : Hassan Maleki, Hediyeh Azadi, Yaser Yousefpoor, Mahtab Doostan, Maryam Doostan, Mohammad Hosein Farzaei

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Fermented ginger extract reduces the NF-kB-mediated activation of CXCR4 and enhances oxaliplatin-induced cytotoxicity in oxaliplatin-

resistant CRC cells.

Pubmed Data : Antioxidants (Basel). 2022 Oct 19 ;11(10). Epub 2022 Oct 19. PMID: **36290780**

Article Published Date : Oct 18, 2022

Authors : Ko-Chao Lee, Kuen-Lin Wu, Shun-Fu Chang, Hsin-I Chang, Cheng-Nan Chen, Yih-Yuan Chen

Study Type : In Vitro Study
Additional Links
Substances : Fermented Foods and Beverages : CK(2588) : AC(607), Ginger : CK(1514) : AC(444)
Diseases : Cancers: Drug Resistant : CK(715) : AC(493), Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemosensitizer : CK(1124) : AC(854), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Chemotherapeutic Synergy: Oxaliplatin : CK(12) : AC(9)

Ginger and avocado as nutraceuticals for obesity and its comorbidities.

Pubmed Data : Phytother Res. 2020 Jan 27. Epub 2020 Jan 27. PMID: **31989713**

Article Published Date : Jan 26, 2020

Authors : Natalia Dos Santos Tramontin, Thais F Luciano, Scherolin de Oliveira Marques, Claudio T de Souza, Alexandre P Muller

Study Type : Review
Additional Links
Substances : Avocado : CK(197) : AC(61), Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Ginger and cinnamon intake have positive effects on inflammation and muscle soreness endued by exercise in Iranian female athletes.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S11-5. PMID: **23717759**

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Awat Feizi, Mitra Hariri, Leila Darvishi, Azam Barani, Maryam Taghiyar, Afshin Shiranian, Maryam Hajishafiee

Study Type : Human Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Muscle Soreness: Exercise-Induced : CK(204) : AC(22)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger and turmeric rhizomes decreased the anti-inflammatory cytokines in hypertensive rats.

Pubmed Data : Planta Med. 2016 Mar 22. Epub 2016 Mar 22. PMID: **27002391**

Article Published Date : Mar 21, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Thiago Duarte, Marta Duarte, Aline Augusti Boligon, Margareth Linde Athayde, Akintunde Afolabi Akindahunsi, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Hypertension : CK(6384) : AC(950), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger as a nutraceutical: Focus on the metabolic, analgesic, and antiinflammatory effects.

Pubmed Data : Phytother Res. 2020 Dec 5. Epub 2020 Dec 5. PMID: **33278054**

Article Published Date : Dec 04, 2020

Authors : Ester Pagano, Eliana B Souto, Alessandra Durazzo, Javad Sharifi-Rad, Massimo Lucarini, Selma B Souto, Bahare Salehi, Wissam Zam, Vittorino Montanaro, Giuseppe Lucariello, Angelo A Izzo, Antonello Santini, Barbara Romano

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Dysmenorrhea : CK(692) : AC(71), Hyperlipidemia : CK(1569) : AC(402), Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger can improve rheumatoid arthritis by decreasing disease manifestations in patients.

Pubmed Data : Gene. 2019 May 25 ;698:179-185. Epub 2019 Mar 4. PMID: **30844477**

Article Published Date : May 24, 2019

Authors : Naheed Aryaeian, Farhad Shahram, Mahdi Mahmoudi, Hajar Tavakoli, Bahman Yousefi, Tahereh Arablou, Sahar Jafari Karegar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger decreases the negative metabolic consequences induced by high-refined carbohydrate diet.

Pubmed Data : J Med Food. 2018 Oct 26. Epub 2018 Oct 26. PMID: **30362875**

Article Published Date : Oct 25, 2018

Authors : Cíntia Tarabal Oliveira, Débora Romualdo Lacerda, Marina Campos Zicker, Laís Bhering Martins, Mauro Martins Teixeira, Raquel Linhares Bello de Araujo, Adaliene Versiani Matos Ferreira

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hypolipidemic : CK(5358) : AC(1221)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: **30121057**

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, HaliIİbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger extract ameliorates obesity and inflammation.

Pubmed Data : Nutrients. 2018 Oct 23 ;10(11). Epub 2018 Oct 23. PMID: 30360535

Article Published Date : Oct 22, 2018

Authors : Seunghae Kim, Mak-Soon Lee, Sunyoon Jung, Hye-Yeon Son, Seonyoung Park, Bori Kang, Seog-Young Kim, In-Hwan Kim, Chong-Tai Kim, Yangha Kim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), MicroRNA modulator : CK(1023) : AC(618)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: 28369951

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastrointestinal Inflammation : CK(261) : AC(117)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Interleukin-8 downregulation : CK(581) : AC(231), NF-kappaB Inhibitor : CK(3536) : AC(2098), Postaglandin PGE2 downregulation : CK(202) : AC(110)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger extract protects the heart against inflammation and fibrosis in diabetes.

Pubmed Data : Can J Diabetes. 2020 Sep 2. Epub 2020 Sep 2. PMID: 33162372

Article Published Date : Sep 01, 2020

Authors : Tara Abdi, Maryam Mahmoudabady, Hadi Zare Marzouni, Saeed Niazmand, Majid Khazaei

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetic Complications : CK(3199) : AC(1009), Myocardial Fibrosis : CK(140) : AC(64)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: 28904557

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Complications : CK(3199) : AC(1009), Fibrosis : CK(207) : AC(100)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Ginger powder supplementation can reduce inflammatory markers in

patients with knee osteoarthritis.

Pubmed Data : J Tradit Complement Med. 2016 Jul ;6(3):199-203. Epub 2015 Jan 28. PMID: **27419081**

Article Published Date : Jun 30, 2016

Authors : Zahra Naderi, Hassan Mozaffari-Khosravi, Ali Dehghan, Azadeh Nadjarzadeh, Hassan Fallah Huseini

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : C-Reactive Protein : CK(3134) : AC(310), Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Nitric Oxide Inhibitor : CK(498) : AC(258)

Ginger relieves intestinal hypersensitivity of diarrhea predominant irritable bowel syndrome by inhibiting proinflammatory reaction.

Pubmed Data : BMC Complement Med Ther. 2020 Sep 14 ;20(1):279. Epub 2020 Sep 14. PMID: **32928188**

Article Published Date : Sep 13, 2020

Authors : Changrong Zhang, Yongquan Huang, Peiwu Li, Xinlin Chen, Fengbin Liu, Qiuke Hou

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Irritable Bowel Syndrome : CK(1106) : AC(164)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Ginger root extract improves GI health in diabetic rats.

Pubmed Data : Nutrients. 2022 Oct 19 ;14(20). Epub 2022 Oct 19. PMID: **36297069**

Article Published Date : Oct 18, 2022

Authors : Rui Wang, Julianna Maria Santos, Jannette M Dufour, Emily R Stephens, Jonathan M Miranda, Rachel L Washburn, Taylor Hibler, Gurvinder Kaur, Dingbo Lin, Chwan-Li Shen

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger supplement along with NSPT may be effective in the improvement of inflammation, oxidative, and periodontal status in T2DM with chronic periodontitis.

Pubmed Data : Diabetes Metab Syndr Obes. 2019 ;12:1751-1761. Epub 2019 Sep 6. PMID: **32021341**

Article Published Date : Dec 31, 2018

Authors : Ahmad Zare Javid, Hadi Bazyar, Hasan Gholinezhad, Mehran Rahimlou, Homeira Rashidi, Parvin Salehi, Mohammad Hosein Haghighi-Zadeh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550), Periodontitis : CK(378) : AC(98)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Ginger supplementation with antitubercular treatment significantly lowered TNF alpha, ferritin and MDA concentrations.

Pubmed Data : J Complement Integr Med. 2016 Jun 1 ;13(2):201-6. PMID: **27089418**

Article Published Date : May 31, 2016

Authors : Rashmi Anant Kulkarni, Ajit Ramesh Deshpande

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Tuberculosis : CK(686) : AC(141)
Therapeutic Actions : Integrative Medicine : CK(501) : AC(69)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger therapy efficiently ameliorated the severity of intestinal damage in necrotizing enterocolitis and may be a promising treatment option.

Pubmed Data : J Ethnopharmacol. 2018 Jul 10. Epub 2018 Jul 10. PMID: **30005955**

Article Published Date : Jul 09, 2018

Authors : Ufuk Cakir, Cuneyt Tayman, Utku Serkant, Halil Ibrahim Yakut, Esra Cakir, Ufuk Ates, Ismail Koyuncu, Eyyup Karaogul

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Necrotising enterocolitis : CK(214) : AC(32)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger's anti-inflammatory activity is mediated by inhibiting macrophage and neutrophils activation.

Pubmed Data : J Ethnopharmacol. 2017 Dec 15. Epub 2017 Dec 15. PMID: **29253614**

Article Published Date : Dec 14, 2017

Authors : Shahira M Ezzat, Marwa I Ezzat, Mona M Okba, Esther T Menze, Ashraf B Abdel-Naim

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Postaglandin PGE2 downregulation : CK(202) : AC(110), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Gingerenone A may be used as a potential therapeutic candidate for the treatment of obesity and its complications.

Pubmed Data : Mol Nutr Food Res. 2017 May 28. Epub 2017 May 28. PMID: **28556482**

Article Published Date : May 27, 2017

Authors : Sujin Suk, Gyoo Taik Kwon, Eunjung Lee, Woo Jung Jang, Hee Yang, Jong Hun Kim, N R Thimmegowda, Min-Yu Chung, Jung Yeon Kwon, Seunghee Yang, Jason K Kim, Jung Han Yoon Park, Ki Won Lee

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Gingerol-enriched ginger supplementation mitigates neuropathic pain.

Pubmed Data : Front Pharmacol. 2022 ;13:912609. Epub 2022 Jul 8. PMID: 35873544

Article Published Date : Dec 31, 2021

Authors : Chwan-Li Shen, Rui Wang, Vadim Yakhnitsa, Julianna Maria Santos, Carina Watson, Takaki Kiritoshi, Guangchen Ji, Abdul Naji Hamood, Volker Neugebauer

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Gut-brain Axis : CK(392) : AC(177)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: 26667466

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Lipid Peroxidation : CK(1632) : AC(631), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Herbal formulation turmeric extract, black pepper, and ginger versus naproxen for chronic knee osteoarthritis.

Pubmed Data : Phytother Res. 2020 Aug ;34(8):2067-2073. Epub 2020 Mar 16. PMID: 32180294

Article Published Date : Jul 31, 2020

Authors : Motahar Heidari-Beni, Amir R Moravejolahkami, Pegah Gorgian, Gholamreza Askari, Mohammad J Tarrahi, Nimah Bahreini-Esfahani

Study Type : Human Study
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Postaglandin PGE2 downregulation : CK(202) : AC(110)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479)

Immunomodulatory role and potential utility of various nutrients and dietary components in SARS-CoV-2 infection.

Pubmed Data : Int J Vitam Nutr Res. 2021 Jun 8:1-14. Epub 2021 Jun 8. PMID: 34100300

Article Published Date : Jun 07, 2021

Authors : Muhammad Osama Yaseen, Humzah Jamshaid, Arifa Saif, Talib Hussain

Study Type : Review
Additional Links
Substances : Elderberry : CK(197) : AC(74), Fruit: All : CK(7227) : AC(1679), Ginger : CK(1514) : AC(444), Probiotics : CK(7680) : AC(1196), Selenium : CK(1322) : AC(290), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antiviral Agents : CK(1957) : AC(1034), Immunomodulatory : CK(4048) : AC(1475)

Inflammatory activities in type 2 diabetes patients With co-morbid angiopathies and exploring beneficial interventions

Pubmed Data : Front Public Health. 2020 ;8:600427. Epub 2021 Jan 25. PMID: 33569370

Article Published Date : Dec 31, 2019

Authors : Martin C Nwadiugwu

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Hesperidin : CK(545) : AC(215)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: 20211236

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Aging : CK(3728) : AC(933), Cancers: All : CK(28241) : AC(10590), Cardiovascular Diseases : CK(12780) : AC(1983), Dementia : CK(1689) : AC(279), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Natural herbs are safe, effective and better options as anti-inflammatory agents than synthetic ones.

Pubmed Data : Recent Pat Inflamm Allergy Drug Discov. 2018 Jan 15. Epub 2018 Jan 15. PMID: 29336271

Article Published Date : Jan 14, 2018

Authors : Mohd Iqbal Yatoo, Arumugam Gopalakrishnan, Archana Saxena, Oveas Rafiq Parray, Noore Alam Tufani, Sandip Chakraborty, Ruchi Tiwari, Kuldeep Dhama, Hafiz M N Iqbal

Study Type : Review
Additional Links
Substances : Blueberry : CK(721) : AC(250), Cat's Claw : CK(61) : AC(28), Ginger : CK(1514) : AC(444), Nettle : CK(274) : AC(109), Olive : CK(1072) : AC(393), Turmeric : CK(7078) : AC(3169)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: 30305562

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Adenosine deaminase inhibitor : CK(20) : AC(7), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Problem Substances : Cadmium : CK(383) : AC(148)

Polyphenol-rich Indian ginger cultivars ameliorate GLUT4 activity in C2C12 cells, inhibit diabetes-related enzymes and LPS-induced inflammation.

Pubmed Data : J Food Biochem. 2021 Feb ;45(2):e13600. Epub 2021 Jan 5. PMID: **33403698**

Article Published Date : Jan 31, 2021

Authors : Meenakshi Venkateswaran, Sasidharan Jayabal, Shanmugam Hemaiswarya, Selvakumar Murugesan, Subudhi Enkateswara, Mukesh Doble, Sureshkumar Periyasamy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hypoglycemic Agents : CK(5366) : AC(1338)

Possible role of common spices as a preventive and therapeutic agent for Alzheimer's disease.

Pubmed Data : Int J Prev Med. 2017 ;8:5. Epub 2017 Feb 7. PMID: **28250905**

Article Published Date : Dec 31, 2016

Authors : Omid Mirmosayyeb, Amirpouya Tanhaei, Hamid R Sohrabi, Ralph N Martins, Mana Tanhaei, Mohammad Amin Najafi, Ali Safaei, Rokhsareh Meamar

Study Type : Review
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Culinary Herbs and Spices : CK(11065) : AC(3218), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189), Turmeric : CK(7078) : AC(3169)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Dementia : CK(1689) : AC(279)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Promising roles of Zingiber officinale roscoe, Curcuma longa L., and Momordica charantia L. as immunity modulators against COVID-19.

Pubmed Data : J Agric Food Res. 2023 Dec ;14:100680. Epub 2023 Jun 12. PMID: **37346755**

Article Published Date : Nov 30, 2023

Authors : Hassan I Sheikh, Nor Hafizah Zakaria, Fadzilah Adibah Abdul Majid, Fatihah Zamzuri, Anis Fadhlina, Muhammad Afnan Shakir Hairani

Study Type : Review
Additional Links
Substances : Bitter Melon : CK(411) : AC(166), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Coronavirus Disease : CK(309) : AC(106)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Antiviral Agents : CK(1957) : AC(1034)

Protective effects of zingerone on cisplatin-induced nephrotoxicity.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jun 4. Epub 2019 Jun 4. PMID: **31165450**

Article Published Date : Jun 03, 2019

Authors : Fatih Mehmet Kandemir, Serkan Yildirim, Cuneyt Caglayan, Sefa Kucukler, Gizem Eser

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Chemoprotective Agents : CK(2322) : AC(906)

Red ginger oil has antihyperalgesia activity in mice with chronic pain and could be developed further to be antihyperalgesia.

Pubmed Data : Pak J Pharm Sci. 2019 Jul ;32(4):1663-1669. PMID: **31608888**

Article Published Date : Jun 30, 2019

Authors : Fifteen Aprila Fajrin, Azham Purwandhono, Fransisca Maria Christianty, Gati Dwi Sulistyaningrum, - Afifah, Nidia Imandasari, Tsabit Barki

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)

Role of natural products in alleviation of rheumatoid arthritis.

Pubmed Data : J Food Biochem. 2021 Apr ;45(4):e13673. Epub 2021 Feb 24. PMID: **33624882**

Article Published Date : Mar 31, 2021

Authors : Dhvani Sharma, Pramila Chaubey, Vasanti Suvarna

Study Type : Review
Additional Links
Substances : Carotenoids : CK(4265) : AC(1158), Flavonoids : CK(2352) : AC(870), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Rheumatoid Arthritis : CK(1546) : AC(328)
Therapeutic Actions : Dietary Modification: Mediterranean Diet : CK(1580) : AC(186), Dietary Modification: Vegan Diet : CK(125) : AC(16)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)

Suppression of inflamm-aging by Moringa oleifera and Zingiber officinale in the prevention of degenerative diseases.

Pubmed Data : Molecules. 2023 Aug 3 ;28(15). Epub 2023 Aug 3. PMID: **37570837**

Article Published Date : Aug 02, 2023

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Moringa oleifera : CK(460) : AC(245)
Diseases : Aging : CK(3728) : AC(933), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Suppressive effects of mioga ginger and ginger constituents on reactive oxygen and nitrogen species generation, and the expression of inducible pro-inflammatory genes in macrophages.

Pubmed Data : Antioxid Redox Signal. 2005 Nov-Dec;7(11-12):1621-9. PMID: **16356125**

Article Published Date : Oct 31, 2005

Authors : Ha Won Kim, Akira Murakami, Masako Abe, Yoshio Ozawa, Yasujiro Morimitsu, Marshall V Williams, Hajime Ohigashi

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Synergistic anti-inflammatory activity of ginger and turmeric extracts.

Pubmed Data : Molecules. 2022 Jun 16 ;27(12). Epub 2022 Jun 16. PMID: **35745000**

Article Published Date : Jun 15, 2022

Authors : Xian Zhou, Sualiha Afzal, Hans Wohlmuth, Gerald Münch, David Leach, Mitchell Low, Chun Guang Li

Study Type : In Vitro Study
Additional Links
Substances : Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506), Plant Extracts : CK(14140) : AC(5210)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: **27544404**

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Lipid Peroxidation : CK(1632) : AC(631)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: **25889965**

Article Published Date : Dec 31, 2014

Authors : Analhuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Colon Cancer : CK(1493) : AC(954), Colorectal Cancer : CK(3666) : AC(1651), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance Synergy : CK(1094) : AC(506)

The combination of ginger powder and zinc supplement improves the fructose-induced metabolic syndrome.

Pubmed Data : J Food Biochem. 2020 Nov 3:e13546. Epub 2020 Nov 3. PMID: **33145794**

Article Published Date : Nov 02, 2020

Authors : Zana Ahmed Mustafa, Rojgar Hamed Ali, Dler Rostum Ali, Rahim Abdulkarimi, Nashwan K Abdulkareem, Abolfazl Akbari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zinc : CK(1486) : AC(267)
Diseases : High Fructose Diet : CK(383) : AC(147), Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hepatoprotective : CK(5098) : AC(2264), NF-kappaB Inhibitor : CK(3536) : AC(2098)

The results suggest that the ginger extract can reduce morphine-induced neuroinflammation.

Pubmed Data : Addict Health. 2019 Apr ;11(2):66-72. PMID: 31321003

Article Published Date : Mar 31, 2019

Authors : Shima Torkzadeh-Mahani, Saeed Esmaeili-Mahani, Sima Nasri, Fatemeh Darvishzadeh, Reyhaneh Naderi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Problem Substances : Morphine : CK(110) : AC(40)

The use of ginger and especially gingerols as medicinal food derivative appears to be safe in treating or preventing chronic diseases.

Pubmed Data : Adv Exp Med Biol. 2016 ;929:177-207. PMID: 27771925

Article Published Date : Dec 31, 2015

Authors : Yasmin Anum Mohd Yusof

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Chronic Disease : CK(84) : AC(10)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Therapeutic potentials of ginger for treatment of Multiple sclerosis.

Pubmed Data : J Neuroimmunol. 2018 11 15 ;324:54-75. Epub 2018 Sep 12. PMID: 30243185

Article Published Date : Jan 14, 2018

Authors : Abdollah Jafarzadeh, Maryam Nemati

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Multiple Sclerosis : CK(1802) : AC(394), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Immunomodulatory : CK(4048) : AC(1475)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

These data provide new insights into the preventive approach of zingerone against the development of the NAFLD.

Pubmed Data : Gen Physiol Biophys. 2016 Apr ;35(2):185-94. Epub 2016 Feb 26. PMID: 26915720

Article Published Date : Mar 31, 2016

Authors : Jeyabarathy Muniandy Narayanan, Victor A S Jesudoss

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : High Fructose Diet : CK(383) : AC(147), Nonalcoholic fatty liver disease (NAFLD) : CK(1862) : AC(521)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

These findings suggest that a hydro-alcoholic extract of ginger is a potentially novel therapeutic strategy for inhibiting adhesion formation.

Pubmed Data : Evid Based Complement Alternat Med. 2023 ;2023:4086631. Epub 2023 Feb 21. PMID: **36865747**

Article Published Date : Dec 31, 2022

Authors : Roghayeh Yahyazadeh, Vafa Baradaran Rahimi, Seyed Ahmad Mohajeri, Milad Iranshahy, Ahmad Yahyazadeh, Maede Hasanpour, Mehrdad Iranshahi, Vahid Reza Askari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Abdominal Adhesions : CK(50) : AC(10), Colon Surgery : CK(31) : AC(8)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Glutathione Upregulation : CK(299) : AC(96), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

These findings suggested that Angelica sinensis and Zingiber officinale may be a promising supplement for current IBD therapy.

Pubmed Data : Int J Mol Sci. 2019 Aug 5 ;20(15). Epub 2019 Aug 5. PMID: **31387229**

Article Published Date : Aug 04, 2019

Authors : Jia Liu, Ling Yu, Nuolan Mo, Hai Lan, Yan Zhang, Xin Liu, Qing Wu

Study Type : Animal Study
Additional Links
Substances : Angelica : CK(173) : AC(73), Ginger : CK(1514) : AC(444)
Diseases : Colitis : CK(840) : AC(406), Inflammatory Bowel Diseases : CK(1994) : AC(540)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

These findings suggested that ginger and zingerone were likely to be broad-spectrum anti-inflammatory agents in most organs.

Pubmed Data : J Agric Food Chem. 2015 Jul 8 ;63(26):6051-8. Epub 2015 Jun 24. PMID: **26073629**

Article Published Date : Jul 07, 2015

Authors : Chien-Yun Hsiang, Hui-Man Cheng, Hsin-Yi Lo, Chia-Cheng Li, Pei-Chi Chou, Yu-Chen Lee, Tin-Yun Ho

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

These preliminary results indicate the efficacy and safety of Movardol supplementation in the management of moderate knee osteoarthritis.

Pubmed Data : Eur Rev Med Pharmacol Sci. 2016 Dec ;20(24):5198-5204. PMID: **28051248**

Article Published Date : Nov 30, 2016

Authors : G Bolognesi, G Belcaro, B Feragalli, U Cornelli, R Cotellese, S Hu, M Dugall

Study Type : Human Study
Additional Links
Substances : Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

This finding supports the contention that ginger holds positive pharmaceutical effects against osteoarthritis.

Pubmed Data : Planta Med. 2017 Feb ;83(3-04):268-276. Epub 2016 Aug 30. PMID: **27574898**

Article Published Date : Jan 31, 2017

Authors : Jetsada Ruangsuriya, Piyaporn Budprom, Nawarat Viriyakhasem, Patiwat Kongdang, Chatchadawalai Chokchaitaweesuk, Nutnicha Sirikaew, Siriwadee Chomdej, Korakot Nganvongpanit, Siriwan Ongchai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis : CK(1449) : AC(363)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: **28505392**

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Metabolic Syndrome X : CK(2073) : AC(376), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

This review indicates that ginger possesses multiple properties that could be beneficial in reducing chemotherapy induced nausea and vomiting

Pubmed Data : Crit Rev Food Sci Nutr. 2015 Apr 7:0. Epub 2015 Apr 7. PMID: **25848702**

Article Published Date : Apr 06, 2015

Authors : Wolfgang Marx, Karin Ried, Alexandra L McCarthy, Luis Vitetta, Avni Sali, Daniel McKavanagh, Elisabeth Isenring

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemotherapeutic : CK(2328) : AC(1086), Gastrointestinal Agents : CK(3145) : AC(843)

This study intends to provide reference for clinical use of traditional Chinese medicine to resist new coronavirus.

Pubmed Data : Zhongguo Zhong Yao Za Zhi. 2020 Mar ;45(6):1225-1231. PMID: **32281329**

Article Published Date : Feb 29, 2020

Authors : Yue Ren, Mei-Cun Yao, Xiao-Qian Huo, Yu Gu, Wei-Xing Zhu, Yan-Jiang Qiao, Yan-Ling Zhang

Study Type : In Vitro Study
Additional Links
Substances : Burdock : CK(186) : AC(99), Ginger : CK(1514) : AC(444), Ginseng : CK(2684) : AC(1192), Honeysuckle : CK(127) : AC(87), Magnolia : CK(82) : AC(34), Salvia miltiorrhiza : CK(2) : AC(1)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Cytokine Modulation : CK(50) : AC(18), Cytokine Storm : CK(5) : AC(4)

Two grams of ginger may have anti-inflammation and analgesic effect on delayed onset muscle soreness.

Pubmed Data : Med J Islam Repub Iran. 2015 ;29:261. Epub 2015 Sep 12. PMID: **26793652**

Article Published Date : Dec 31, 2014

Authors : Khadijeh Hoseinzadeh, Farhad Daryanoosh, Parvin Javad Baghdasar, Hamid Alizadeh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Muscle Soreness : CK(86) : AC(12)
Pharmacological Actions : Analgesics : CK(3498) : AC(646), Anti-Inflammatory Agents : CK(20859) : AC(8334)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Z. officinale paste could be used as natural spice and a potent antitumour agent.

Pubmed Data : Appl Biochem Biotechnol. 2016 Jul 19. Epub 2016 Aug 19. PMID: **27435276**

Article Published Date : Jul 18, 2016

Authors : Sundararaj Rubila, Thottiam Vasudevan Ranganathan, Kunnathur Murugesan Sakthivel

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lymphoma: Dalton's : CK(5) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Z. officinale rhizome extract exerts a protective role against diabetes-induced renal injury.

Pubmed Data : Biomed Pharmacother. 2018 Jun 29 ;106:381-389. Epub 2018 Jun 29. PMID: **29966984**

Article Published Date : Jun 28, 2018

Authors : Amir M Al Hroob, Mohammad H Abukhalil, Reham D Alghonmeen, Ayman M Mahmoud

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: **29587238**

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yıldırım, Sefa Kucukler, Mehmet Akif Kılınc, Yavuz Selim Saglam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemoprotective Agents : CK(2322) : AC(906), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: **29537332**

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: **24412620**

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Lung Injury: Acute : CK(321) : AC(159)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone can be used as an effective therapeutic agent for the treatment of drug-induced nephrotoxicity.

Pubmed Data : Oxid Med Cell Longev. 2018 ;2018:2474831. Epub 2018 Jan 30. PMID: **29636837**

Article Published Date : Dec 31, 2017

Authors : Mohammed M Safhi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone is a promising therapeutic treatment to attenuate diabetic nephropathy.

Pubmed Data : Biomed Pharmacother. 2018 Mar ;99:422-430. PMID: **29367111**

Article Published Date : Feb 28, 2018

Authors : Yan Cui, Yan Shi, Yan Bao, Shulong Wang, Qiuju Hua, Yun Liu

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone might be useful in the treatment of sepsis by targeting HMGB1.

Pubmed Data : Toxicol Appl Pharmacol. 2017 08 15 ;329:202-211. Epub 2017 Jun 10. PMID: **28610995**

Article Published Date : Jan 14, 2017

Authors : Wonhwa Lee, Sae-Kwang Ku, Jong-Sup Bae

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Endotoxemia : CK(219) : AC(91), Sepsis : CK(952) : AC(276)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: **30532634**

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-2 Downregulation : CK(123) : AC(51), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: **29117507**

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Ultraviolet Radiation Induced Damage : CK(461) : AC(215)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Photoprotective : CK(446) : AC(198), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone therapy significantly protected liver from endotoxin induced inflammatory damage

Pubmed Data : PLoS One. 2014 ;9(9):e106536. Epub 2014 Sep 3. PMID: **25184525**

Article Published Date : Dec 31, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Antibiotic Toxicity : CK(316) : AC(82), Endotoxemia : CK(219) : AC(91), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Antibiotics : CK(703) : AC(132)

Zingiber officinale Roscoe rhizomes as a novel and interesting candidate for the management of neuropathic pain.

Pubmed Data : Phytomedicine. 2020 Nov ;78:153307. Epub 2020 Aug 19. PMID: **32846405**

Article Published Date : Oct 31, 2020

Authors : Vittoria Borgonetti, Paolo Governa, Marco Biagi, Federica Pellati, Nicoletta Galeotti

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation :

CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: 27293376

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Angiogenic : CK(347) : AC(234), Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815), Vascular Endothelial Growth Factor Inhibitors : CK(435) : AC(247)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Anti-Platelet (AC 1) (CK 1)

Aqueous extracts of onion, garlic and ginger inhibit platelet aggregation and may be useful as natural antithrombotic agents.

Pubmed Data : Biomed Biochim Acta. 1984;43(8-9):S335-46. PMID: 6440548

Article Published Date : Jan 01, 1984

Authors : K C Srivastava

Study Type : In Vitro Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Onion : CK(420) : AC(124)
Diseases : Thrombosis : CK(338) : AC(93)
Pharmacological Actions : Anti-Platelet : CK(137) : AC(47), Anti-thrombotic : CK(76) : AC(32)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Anti-Ulcer Agents (AC 1) (CK 2)

Zingerone has a protective effect on the ethanol-induced gastric ulcer.

Pubmed Data : Medicina (Kaunas). 2019 Mar 11 ;55(3). Epub 2019 Mar 11. PMID: 30862060

Article Published Date : Mar 10, 2019

Authors : Neda Sistani Karampour, Ardeshir Arzi, Anahita Rezaie, Marzieh Pashmforoosh, Fatemeh Kordi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Gastric Ulcer : CK(470) : AC(212)
Pharmacological Actions : Anti-Ulcer Agents : CK(523) : AC(184), Antioxidants : CK(21528) : AC(8856), Gastrointestinal Agents : CK(3145) : AC(843)

Anti-metastatic (AC 9) (CK 9)

A novel zingerone derivative and zingerone synergistically suppresses hepatocellular carcinoma metastasis.

Pubmed Data : Bioorg Med Chem Lett. 2017 02 15 ;27(4):1081-1088. Epub 2016 Dec 20. PMID: **28110870**

Article Published Date : Jan 14, 2017

Authors : Young-Joo Kim, Youngsic Jeon, Taejung Kim, Won-Chul Lim, Jungyeob Ham, Young Nyun Park, Tae-Jin Kim, Hyeonseok Ko

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Cancer Metastasis : CK(798) : AC(431), Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: **23717767**

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Inflammation : CK(9572) : AC(3089), Liver Disease: Oxidative Stress : CK(12) : AC(6), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antioxidants : CK(21528) : AC(8856), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Gastrointestinal Agents : CK(3145) : AC(843)

A review of the protective and therapeutic potential of ginger extract and 6-gingerol in cancer.

Pubmed Data : Phytother Res. 2018 Jul 16. Epub 2018 Jul 16. PMID: **30009484**

Article Published Date : Jul 15, 2018

Authors : Rosália Maria Tôrres de Lima, Antonielly Campinho Dos Reis, Ag-Anne Pereira Melo de Menezes, José Victor de Oliveira Santos, José Williams Gomes de Oliveira Filho, José Roberto de Oliveira Ferreira, Marcus Vinícius Oliveira Barros de Alencar, Ana Maria Oliveira Ferreira da Mata, Ishaq N Khan, Amirul Islam, Shaikh Jamal Uddin, Eunüs S Ali, Muhammad Torequl Islam, Swati Tripathi, Siddhartha Kumar Mishra, Mohammad S Mubarak, Ana Amélia de Carvalho Melo-Cavalcante

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

Evaluation of the combinatorial effect of Tinospora cordifolia and

Zingiber officinale on human breast cancer cells.

Pubmed Data : 3 Biotech. 2019 Nov ;9(11):428. Epub 2019 Oct 29. PMID: **31696033**

Article Published Date : Oct 31, 2019

Authors : Gitanjali Javir, Kalpana Joshi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Guduchi : CK(93) : AC(21)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance Synergy : CK(1094) : AC(506)

Gingerol, a compound found within ginger, inhibits metastasis of human breast cancer cells.

Pubmed Data : J Nutr Biochem. 2008 May;19(5):313-9. Epub 2007 Aug 1. PMID: **17683926**

Article Published Date : May 01, 2008

Authors : Hyun Sook Lee, Eun Young Seo, Nam E Kang, Woo Kyung Kim

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Cancer Metastasis : CK(798) : AC(431)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Antiproliferative : CK(6801) : AC(5032), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: **25838819**

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590), Gastrointestinal Cancer : CK(71) : AC(25)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Significant Treatment Outcome : CK(3903) : AC(462)

In vivo and in vitro studies have established that phenolic components of ginger induce apoptosis and autophagy and inhibit metastasis.

Pubmed Data : Curr Pharm Des. 2016 Jun 8. Epub 2016 Jun 8. PMID: **27290916**

Article Published Date : Jun 07, 2016

Authors : Indu Pal Kaur, Parneet Kaur Deol, Kanthi Kiran, Mahendra Bishnoi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancer Metastasis : CK(798) : AC(431), Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Apoptotic : CK(6986) : AC(5304), Autophagy Inhibitors : CK(175) : AC(115)

This reviews the potential prevention and treatment activities of

dietary natural products and their major bioactive constituents on liver cancer.

Pubmed Data : Nutrients. 2016 ;8(3). Epub 2016 Mar 10. PMID: 26978396

Article Published Date : Dec 31, 2015

Authors : Yue Zhou, Ya Li, Tong Zhou, Jie Zheng, Sha Li, Hua-Bin Li

Study Type : Review
Additional Links
Substances : Asparagus : CK(53) : AC(30), Beans: All : CK(151) : AC(38), Black Currant : CK(434) : AC(92), Cruciferous Vegetables : CK(1820) : AC(650), Ginger : CK(1514) : AC(444), Grape : CK(4560) : AC(1322), Plum : CK(98) : AC(33), Pomegranate : CK(1222) : AC(405), Rice Bran : CK(259) : AC(77), Tomato : CK(1225) : AC(303), Turmeric : CK(7078) : AC(3169)
Diseases : Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Chemopreventive : CK(5374) : AC(1717), Immunomodulatory : CK(4048) : AC(1475)
Additional Keywords : Natural Substance/Drug Synergy : CK(957) : AC(485)

Zerumbone suppresses osteopontin-induced cell invasion in human non-small cell lung cancer A549 cells.

Pubmed Data : J Nat Prod. 2016 Jan 22 ;79(1):156-60. Epub 2015 Dec 17. PMID: 26681550

Article Published Date : Jan 21, 2016

Authors : Chi Gu Kang, Hyo-Jeong Lee, Sung-Hoon Kim, Eun-Ok Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Carcinoma: Non-Small-Cell Lung : CK(264) : AC(161)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Chemotherapeutic : CK(2328) : AC(1086)

Anti-thrombotic (AC 1) (CK 1)

Aqueous extracts of onion, garlic and ginger inhibit platelet aggregation and may be useful as natural antithrombotic agents.

Pubmed Data : Biomed Biochim Acta. 1984;43(8-9):S335-46. PMID: 6440548

Article Published Date : Jan 01, 1984

Authors : K C Srivastava

Study Type : In Vitro Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Onion : CK(420) : AC(124)
Diseases : Thrombosis : CK(338) : AC(93)
Pharmacological Actions : Anti-Platelet : CK(137) : AC(47), Anti-thrombotic : CK(76) : AC(32)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Anticarcinogenic Agents (AC 6) (CK 8)

Ginger contains the compound zerumbone, which inhibits colon and lung carcinogenesis in mice.

Pubmed Data : Int J Cancer. 2009 Jan 15;124(2):264-71. PMID: 19003968

Article Published Date : Jan 15, 2009

Authors : Mihye Kim, Shingo Miyamoto, Yumiko Yasui, Takeru Oyama, Akira Murakami, Takuji Tanaka

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954), Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Ginger contains the compound zerumbone, which may have chemopreventive activity through activating phase II drug metabolizing enzymes.

Pubmed Data : FEBS Lett. 2004 Aug 13;572(1-3):245-50. PMID: 15304356

Article Published Date : Aug 13, 2004

Authors : Yoshimasa Nakamura, Chiho Yoshida, Akira Murakami, Hajime Ohigashi, Toshihiko Osawa, Koji Uchida

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Antioxidants : CK(21528) : AC(8856), Phase II Detoxification Enzyme Inducer : CK(95) : AC(52)

Ginger has therapeutic properties relevant to cancer treatment.

Pubmed Data : J BUON. 2011 Jul-Sep;16(3):414-24. PMID: 22006742

Article Published Date : Jul 01, 2011

Authors : M M Pereira, R Haniadka, P P Chacko, P L Palatty, M S Baliga

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Cancers: Drug Resistant : CK(715) : AC(493)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Chemosensitizer : CK(1124) : AC(854), Radioprotective : CK(1668) : AC(521)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: 25838819

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590), Gastrointestinal Cancer : CK(71) : AC(25)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Significant Treatment Outcome : CK(3903) : AC(462)

Zingerone could be considered as a good chemopreventive agent in experimental model of colon carcinogenesis.

Pubmed Data : Environ Toxicol. 2019 May ;34(5):610-625. Epub 2019 Feb 5. PMID: **30720227**

Article Published Date : Apr 30, 2019

Authors : Majid Ahmad Ganaie, Abdulaziz Al Saeedan, Hassan Madhkali, Basit Lateef Jan, Tanvir Khatlani, Ishfaq Ahmad Sheikh, Muneeb U Rehman, Khalida Wani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Chemopreventive : CK(5374) : AC(1717)

Zingerone induced caspase-dependent apoptosis in MCF-7 cells and prevents 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis.

Pubmed Data : J Biochem Mol Toxicol. 2019 Sep 2:e22387. Epub 2019 Sep 2. PMID: **31476248**

Article Published Date : Sep 01, 2019

Authors : Hongyun Gan, Yaqing Zhang, Qingyun Zhou, Lierui Zheng, Xiaofeng Xie, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Breast Cancer: Chemically-Induced : CK(54) : AC(31)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)

Anticholesteremic Agents (AC 2) (CK 20)

The herbal remedies examined had significantly beneficial effects on cholesterol in T2D patients.

Pubmed Data : Rev Diabet Stud. 2014 Fall-Winter;11(3-4):258-66. Epub 2015 Feb 10. PMID: **26177486**

Article Published Date : Aug 31, 2014

Authors : Paria Azimi, Reza Ghiasvand, Awat Feizi, Mitra Hariri, Behnoud Abbasi

Study Type : Human Study
Additional Links
Substances : Cardamom : CK(42) : AC(11), Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), High Cholesterol : CK(2715) : AC(455)
Pharmacological Actions : Anticholesteremic Agents : CK(3078) : AC(530)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

The use of ginger can help in the treatment of people with diabetes.

Pubmed Data : Rev Lat Am Enfermagem. 2020 ;28:e3369. Epub 2020 Oct 9. PMID: **33053078**

Article Published Date : Dec 31, 2019

Authors : Gerdane Celene Nunes Carvalho, José Claudio Garcia Lira-Neto, Márcio Flávio Moura de Araújo, Roberto Wagner Júnior Freire de Freitas, Maria Lúcia Zanetti, Marta Maria Coelho Damasceno

Study Type : Human Study

Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Anticholesteremic Agents : CK(3078) : AC(530), Hypoglycemic Agents : CK(5366) : AC(1338)

Antidepressive Agents (AC 2) (CK 4)

Antidepressant-like effect of dehydrozingerone from Zingiber officinale by elevating monoamines in brain: in silico and in vivo studies.

Pubmed Data : Pharmacol Rep. 2021 Jun 28. Epub 2021 Jun 28. PMID: 34181212

Article Published Date : Jun 27, 2021

Authors : Sudheer Moorkoth, N Sai Prathyusha, Suman Manandhar, Yuanxin Xue, Runali Sankhe, K S R Pai, Nitesh Kumar

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Depression : CK(6233) : AC(1096)
Pharmacological Actions : Antidepressive Agents : CK(4882) : AC(874)

Zingiber officinale ethanolic extract attenuated reserpine-induced depression.

Pubmed Data : J Exp Pharmacol. 2020 ;12:439-446. Epub 2020 Nov 2. PMID: 33173355

Article Published Date : Dec 31, 2019

Authors : John Afees Olanrewaju, Joshua Oladele Owolabi, Ifedamola Patience Awodein, Joseph Igbo Enya, Stephen Taiye Adelodun, Sunday Yinka Olatunji, Sunday Oluwaseyi Fabiyi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Depression : CK(6233) : AC(1096)
Pharmacological Actions : Antidepressive Agents : CK(4882) : AC(874)
Problem Substances : Prescription Drugs : CK(43) : AC(4)

Antidiarrheals (AC 1) (CK 2)

Ginger and its derivatives may be effective herbal supplements for the clinical treatment of enterotoxigenic Escherichia coli diarrhea.

Pubmed Data : J Agric Food Chem. 2007 Oct 17 ;55(21):8390-7. Epub 2007 Sep 20. PMID: 17880155

Article Published Date : Oct 16, 2007

Authors : Jaw-Chyun Chen, Li-Jiau Huang, Shih-Lu Wu, Sheng-Chu Kuo, Tin-Yun Ho, Chien-Yun Hsiang

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diarrhea : CK(910) : AC(145), Escherichia coli Infections : CK(401) : AC(297)
Pharmacological Actions : Antidiarrheals : CK(439) : AC(87)

Additional Keywords : Phytotherapy : CK(3062) : AC(812)

Antiemetics (AC 3) (CK 40)

Ginger is an alternative for the prevention of postoperative nausea and vomiting.

Pubmed Data : Phytomedicine. 2018 Nov 15 ;50:8-18. Epub 2018 Sep 5. PMID: 30466995

Article Published Date : Nov 14, 2018

Authors : Barbara Tóth, Tamás Lantos, Péter Hegyi, Réka Viola, Andrea Vasas, Ria Benkő, Zoltán Gyöngyi, Áron Vincze, Péter Csécsei, Alexandra Mikó, Dávid Hegyi, Andrea Szentesi, Mária Matuz, Dezső Csupor

Study Type : Meta Analysis
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Nausea: Post-Operative : CK(51) : AC(6)
Pharmacological Actions : Antiemetics : CK(60) : AC(5)

Ginger root powder is effective in reducing severity of acute and delayed chemotherapy-induced nausea and vomiting as additional therapy to ondensetron and dexamethasone in patients receiving chemotherapy.

Pubmed Data : Pediatr Blood Cancer. 2010 Sep 14. Epub 2010 Sep 14. PMID: 20842754

Article Published Date : Sep 14, 2010

Authors : Anu Kochanujan Pillai, Kamlesh K Sharma, Yogendra K Gupta, Sameer Bakhshi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity : CK(2319) : AC(936), Nausea: Chemotherapy-Induced : CK(288) : AC(32)
Pharmacological Actions : Antiemetics : CK(60) : AC(5)

Protein and ginger may have therapeutic value in the treatment of chemotherapy-induced delayed nausea.

Pubmed Data : J Altern Complement Med. 2008 Jun;14(5):545-51. PMID: 18537470

Article Published Date : Jun 01, 2008

Authors : Max E Levine, Marcum G Gillis, Sara Yanchis Koch, Anne C Voss, Robert M Stern, Kenneth L Koch

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Protein Supplement : CK(65) : AC(8)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32), Nausea : CK(60) : AC(6)
Pharmacological Actions : Antiemetics : CK(60) : AC(5)

Antifungal Agents (AC 2) (CK 2)

Anti-microbial activity of Rosmarinus officinalis and Zingiber officinale extracts on the species of the genus Candida and on Streptococcus pneumonia.

Pubmed Data : Ann Pharm Fr. 2021 Jan ;79(1):62-69. Epub 2020 Jun 18. PMID: 32565159

Article Published Date : Dec 31, 2020

Authors : S Akroum

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Rosemary : CK(413) : AC(163)
Diseases : Candida Infection : CK(389) : AC(181), Streptococcus Infections : CK(546) : AC(117)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antifungal Agents : CK(494) : AC(306)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Antifungal activity of essential oils against azole-resistant and azole-susceptible vaginal Candida glabrata strains.

Pubmed Data : Can J Microbiol. 2018 Oct ;64(10):647-663. Epub 2018 May 10. PMID: 29746162

Article Published Date : Sep 30, 2018

Authors : N Massa, S Cantamessa, G Novello, E Ranzato, S Martinotti, M Pavan, A Rocchetti, G Berta, E Gamalero, E Bona

Study Type : In Vitro Study
Additional Links
Substances : Anise : CK(88) : AC(28), Basil : CK(120) : AC(75), Basil : CK(120) : AC(75), Bergamot : CK(153) : AC(66), Ginger : CK(1514) : AC(444), Grapefruit : CK(176) : AC(55), Lavender : CK(454) : AC(66), Mint : CK(519) : AC(96), Oregano : CK(345) : AC(184), Rosemary : CK(413) : AC(163), Tea Tree : CK(154) : AC(33)
Diseases : Candida Glabrata : CK(18) : AC(17), Candidiasis: Vulvovaginal : CK(99) : AC(24)
Pharmacological Actions : Antifungal Agents : CK(494) : AC(306)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Antigiardial agents (AC 1) (CK 2)

Ginger and cinnamon extracts had potential therapeutic effects on G. lamblia infection in albino rats as a promising alternative therapy to the commonly used antigiardial drugs.

Pubmed Data : Iran J Parasitol. 2014 Oct-Dec;9(4):530-40. PMID: 25759734

Article Published Date : Sep 30, 2014

Authors : Abeer Mahmoud, Rasha Attia, Safaa Said, Zedan Ibraheim

Study Type : Animal Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Giardiasis : CK(29) : AC(8)
Pharmacological Actions : Antigiardial agents : CK(7) : AC(4), Antioxidants : CK(21528) : AC(8856), Antiprotozoal Agents : CK(61) : AC(32)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Plant Extracts : CK(14140) : AC(5210)

Antihypertensive Agents (AC 3) (CK 5)

Ginger lowers blood pressure through blockade of voltage-dependent calcium channels.

Pubmed Data : J Cardiovasc Pharmacol. 2005 Jan;45(1):74-80. PMID: **15613983**

Article Published Date : Jan 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Hypertension : CK(6384) : AC(950)
Pharmacological Actions : Antihypertensive Agents : CK(4527) : AC(683), Calcium Channel Blockers : CK(98) : AC(29)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger may be introduced as a therapeutic or preventive agent against metabolic syndrome.

Pubmed Data : Iran J Basic Med Sci. 2022 Jun ;25(6):664-674. PMID: **35949312**

Article Published Date : May 31, 2022

Authors : Sanaz Salaramoli, Soghra Mehri, Fatemeh Yarmohammadi, Seyed Isaac Hashemy, Hossein Hosseinzadeh

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Antihypertensive Agents : CK(4527) : AC(683), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Supplementation with turmeric or ginger modulated the hydrolysis of ATP, ADP and AMP.

Pubmed Data : Phytother Res. 2016 May 6. Epub 2016 May 6. PMID: **27151061**

Article Published Date : May 05, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Hypertension : CK(6384) : AC(950)
Pharmacological Actions : Antihypertensive Agents : CK(4527) : AC(683)

Antimicrobial (AC 4) (CK 5)

Antimicrobial activity of essential oils evaluated in vitro against Escherichia coli and Staphylococcus aureus.

Pubmed Data : Antibiotics (Basel). 2022 Jul 20 ;11(7). Epub 2022 Jul 20. PMID: 35884233

Article Published Date : Jul 19, 2022

Authors : Michela Galgano, Paolo Capozza, Francesco Pellegrini, Marco Cordisco, Alessio Sposato, Sabina Sblano, Michele Camero, Gianvito Lanave, Giuseppe Fracchiolla, Marialaura Corrente, Francesco Cirone, Adriana Trotta, Maria Tempesta, Domenico Buonavoglia, Annamaria Pratelli

Study Type : In Vitro Study
Additional Links
Substances : Basil : CK(120) : AC(75), Fennel : CK(305) : AC(66), Ginger : CK(1514) : AC(444), Lemon : CK(143) : AC(46), Lemongrass : CK(23) : AC(9), Thyme : CK(140) : AC(70)
Diseases : Escherichia coli Infections : CK(401) : AC(297)
Pharmacological Actions : Antimicrobial : CK(1209) : AC(582)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Both in vivo and in vitro results confirm the efficacy of black pepper, ginger and thyme extracts extracts as natural antimicrobials and suggests the possibility of using them in treatment procedures.

Pubmed Data : Int J Immunopathol Pharmacol. 2014 Oct-Dec;27(4):531-41. PMID: 25572733

Article Published Date : Sep 30, 2014

Authors : M A Nassan, E H Mohamed

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Ginger : CK(1514) : AC(444), Thyme : CK(140) : AC(70)
Diseases : Pyelonephritis : CK(29) : AC(7)
Pharmacological Actions : Antimicrobial : CK(1209) : AC(582)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: 26132146

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study
Additional Links
Substances : Bay leaf : CK(58) : AC(30), Black Pepper : CK(714) : AC(307), Coriandor : CK(4) : AC(4), Cumin : CK(99) : AC(38), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Mustard Oil : CK(3) : AC(3), Mustard Oil : CK(3) : AC(3), Turmeric : CK(7078) : AC(3169)
Diseases : Bacillus Cereus infection : CK(29) : AC(28), Escherichia coli Infections : CK(401) : AC(297), Listeria Infections : CK(76) : AC(64), Micrococcus luteus infections : CK(5) : AC(5), Salmonella Infections : CK(149) : AC(113), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antimicrobial : CK(1209) : AC(582), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Essential Oils : CK(736) : AC(311), Natural Substance Synergy : CK(1094) : AC(506)

This study confirmed the potential of selected extracts of spices as effective natural food preservative in juices.

Pubmed Data : Int J Microbiol. 2016 ;2016:9015802. Epub 2016 Jan 4. PMID: 26880927

Article Published Date : Dec 31, 2015

Authors : Romika Dhiman, Neeraj Aggarwal, Kamal Rai Aneja, Manpreet Kaur

Study Type : In Vitro Study
Additional Links
Substances : Ashwagandha : CK(418) : AC(173), Ginger : CK(1514) : AC(444), Gotu Kola : CK(200) : AC(86), Indian Gooseberry : CK(28) : AC(12), Mint : CK(519) : AC(96), Terminalia : CK(27) : AC(18), Turmeric : CK(7078) : AC(3169)
Diseases : Foodborne Pathogens: Prevention/Food Preservation : CK(47) : AC(43)

Pharmacological Actions : Antimicrobial : CK(1209) : AC(582), Food Preservatives : CK(2) : AC(2)
Additional Keywords : Fruit Juice : CK(100) : AC(15), Plant Extracts : CK(14140) : AC(5210)

Antineoplastic Agents (AC 7) (CK 28)

"Ginger extract (Zingiber officinale) has anti-cancer and anti-inflammatory effects on ethionine-induced hepatoma rats."

Pubmed Data : Clinics (Sao Paulo). 2008 Dec ;63(6):807-13. PMID: 19061005

Article Published Date : Dec 01, 2008

Authors : Shafina Hanim Mohd Habib, Suzana Makpol, Noor Aini Abdul Hamid, Srijit Das, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer: Prevention : CK(207) : AC(41)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antineoplastic Agents : CK(1847) : AC(1170), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

10-gingerol-loaded nanoemulsion and its biological effects on triple-negative breast cancer cells.

Pubmed Data : AAPS PharmSciTech. 2021 May 18 ;22(5):157. Epub 2021 May 18. PMID: 34008089

Article Published Date : May 17, 2021

Authors : Ideli Zanesco-Fontes, Ana Carolina Lopes Silva, Patrícia Bento da Silva, Jonatas Lobato Duarte, Leonardo Delello Di Filippo, Marlus Chorilli, Marcia Regina Cominetti, Ana Carolina Baptista Moreno Martin

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

A compound in ginger known as 6-Gingerol prevents cisplatin-induced acute renal failure in rats.

Pubmed Data : J Agric Food Chem. 2005 Apr 6;53(7):2446-50. PMID: 16971750

Article Published Date : Apr 06, 2005

Authors : Anurag Kuhad, Naveen Tirkey, Sangeeta Pilkhwal, Kanwaljit Chopra

Study Type : Animal Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Renoprotective : CK(2404) : AC(1075)

Adjuvant ginger supplementation is associated with better chemotherapy-induced nausea-related quality of life and less cancer-related fatigue.

Pubmed Data : Nutrients. 2017 Aug 12 ;9(8). Epub 2017 Aug 12. PMID: 28805667

Article Published Date : Aug 11, 2017

Authors : Wolfgang Marx, Alexandra L McCarthy, Karin Ried, Dan McKavanagh, Luis Vitetta, Avni Sali, Anna Lohning, Elisabeth Isenring

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Fatigue: Cancer-Associated : CK(85) : AC(10), Nausea: Chemotherapy-Induced : CK(288) : AC(32)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Evaluation of antineoplasic activity of Zingiber officinale essential oil in the colorectal region.

Pubmed Data : Asian Pac J Cancer Prev. 2020 Jul 1 ;21(7):2141-2147. Epub 2020 Jul 1. PMID: **32711443**

Article Published Date : Jun 30, 2020

Authors : Daniel Augusto Nunes De Lima, Brenda Barroso Pelegrini, Felipe Alexandre Alves Uechi, Raíssa Coracini Varago, Bruno Bueno Pimenta, Alice Maria De Souza Kaneshima, Edilson Nobuyoshi Kaneshima, Paola Da Costa Souza, Raíssa Bocchi Pedroso, Thaís Gomes Verzignassi Silveira, Tânia Cristina Alexandrino Becker

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Ginger (Zingiber officinale) reduces acute chemotherapy-induced nausea.

Pubmed Data : Support Care Cancer. 2012 Jul ;20(7):1479-89. Epub 2011 Aug 5. PMID: **21818642**

Article Published Date : Jun 30, 2012

Authors : Julie L Ryan, Charles E Heckler, Joseph A Roscoe, Shaker R Dakhil, Jeffrey Kirshner, Patrick J Flynn, Jane T Hickok, Gary R Morrow

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170)
Additional Keywords : Phytotherapy : CK(3062) : AC(812)

Metabolites of [6]-shogoal can account for the bioactivity of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: **23382939**

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Colon Cancer : CK(1493) : AC(954), Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Metabolites : CK(64) : AC(20)

Antioxidant Effects (AC 1) (CK 10)

This study found that that taking green tea, capsaicin and ginger co-supplements for 8 weeks among overweight women had beneficial effects on weight, BMI, markers of insulin metabolism and plasma glutathione levels.

Pubmed Data : Ann Nutr Metab. 2017 ;70(4):277-285. Epub 2017 Jun 9. PMID: 28595182

Article Published Date : Jan 01, 2017

Authors : Mohsen Taghizadeh, Narjes Farzin, Sara Taheri, Mahnaz Mahlouji, Hossein Akbari, Fatemeh Karamali, Zatollah Asemi

Study Type : Human Study
Additional Links
Substances : Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057), Tea : CK(3620) : AC(755)
Diseases : Insulin Resistance : CK(3522) : AC(792), Obesity : CK(6879) : AC(1686), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidant Effects : CK(15) : AC(4), Insulin Sensitizers : CK(1185) : AC(244)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)
Problem Substances : Insulin : CK(384) : AC(68)

Antioxidants (AC 72) (CK 172)

6-Gingerol attenuates ventilator-induced lung injury via anti-inflammation and antioxidative stress.

Pubmed Data : Int Immunopharmacol. 2021 Mar ;92:107367. Epub 2021 Jan 15. PMID: 33461160

Article Published Date : Feb 28, 2021

Authors : Wei Hong, Fang Xiang Zhi, Tu Han Kun, Feng Jie Hua, Li Huan Ling, Fang Fang, Chen Wen, Wang Jie, Li Chao Yang

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lung Injury: Acute : CK(321) : AC(159), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : NF-kappaB Inhibitor : CK(3536) : AC(2098)

6-Gingerol-rich fraction from Zingiber officinale ameliorates carbendazim-induced endocrine disruption.

Pubmed Data : Andrologia. 2016 Aug 22. Epub 2016 Aug 22. PMID: 27546232

Article Published Date : Aug 21, 2016

Authors : M Salihu, B O Ajayi, I A Adedara, D de Souza, J B T Rocha, E O Farombi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Endocrine Imbalances : CK(16) : AC(6)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)
Problem Substances : Plant Extracts : CK(14140) : AC(5210)

6-gingerol alleviates ferroptosis and inflammation of diabetic cardiomyopathy.

Pubmed Data : Oxid Med Cell Longev. 2022 ;2022:3027514. Epub 2022 Dec 31. PMID: 36624878

Article Published Date : Dec 31, 2021

Authors : Shenglin Wu, Jinxiu Zhu, Guihai Wu, Zuoqi Hu, Pengxiang Ying, Zhijun Bao, Zipeng Ding, Xuerui Tan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetes: Cardiovascular Illness : CK(707) : AC(111)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Heme oxygenase-1 up-regulation : CK(624) : AC(373), Nrf2 activation : CK(1584) : AC(916)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: 25811848

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396), Nitric Oxide Inhibitor : CK(498) : AC(258)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

A combined extract of purple waxy corn and ginger improves neuropathy, oxidative Stress, and axon density in streptozotocin induced diabetic rats.

Pubmed Data : Evid Based Complement Alternat Med. 2015 ;2015:301029. Epub 2015 Apr 12. PMID: 25969689

Article Published Date : Dec 31, 2014

Authors : Jintanaporn Wattanathorn, Paphaphat Thiraphatthanavong, Supaporn Muchimapura, Wipawee Thukhammee, Kamol Lertrat, Bhalang Suriharn

Study Type : Animal Study
Additional Links
Substances : Corn: Purple : CK(30) : AC(17), Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)

A phenolics rich extract of ginger had protective effects against Aflatoxin B1-induced oxidative stress and hepatotoxicity.

Pubmed Data : Biomed Pharmacother. 2017 May 2 ;91:415-424. Epub 2017 May 2. PMID: 28475920

Article Published Date : May 01, 2017

Authors : Vipin A V, Raksha Rao K, Nawneet Kumar Kurrey, Anu Appaiah K A, Venkateswaran G

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Liver Damage: Aflatoxin-Induced : CK(72) : AC(30)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Heme oxygenase-1 inducer : CK(57) : AC(39), Hepatoprotective : CK(5098) : AC(2264), Nrf2 activation : CK(1584) : AC(916)
Problem Substances : Aflatoxin : CK(56) : AC(8)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: **31531114**

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Aging : CK(3728) : AC(933), Alzheimer's Disease : CK(3372) : AC(1307), Hypertension : CK(6384) : AC(950), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: **23717767**

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Inflammation : CK(9572) : AC(3089), Liver Disease: Oxidative Stress : CK(12) : AC(6), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antioxidants : CK(21528) : AC(8856), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Gastrointestinal Agents : CK(3145) : AC(843)

A subcritical water extract of soil grown Zingiber officinale Roscoe: Comparative analysis of antioxidant and anti-inflammatory effects.

Pubmed Data : Front Pharmacol. 2023 ;14:1006265. Epub 2023 Feb 8. PMID: **36843947**

Article Published Date : Dec 31, 2022

Authors : Azraul Mumtazah Razak, Siti Nor Asyikin Zakaria, Nur Fathiah Abdul Sani, Nazirah Ab Rani, Nur Haleeda Hakimi, Mazlina Mohd Said, Jen Kit Tan, Han Kwang Gan, Mariam Firdhaus Mad Nordin, Suzana Makpol

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Administration of ginger and/or thyme has ameliorative effects on liver and kidney functions of V-line rabbits.

Pubmed Data : J Anim Physiol Anim Nutr (Berl). 2019 Aug 22. Epub 2019 Aug 22. PMID: **31441113**

Article Published Date : Aug 21, 2019

Authors : Mohammed Abdel-Gabbar, Rasha R Ahmed, Mohamed A Kandeil, Alaa El-Deen H Mohamed, Shimaa M Ali

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Thyme : CK(140) : AC(70)
Diseases : Oxidative Stress : CK(9437) : AC(3550)

Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypolipidemic : CK(5358) : AC(1221)

Ameliorative and protective effects of ginger and its main constituents against natural, chemical and radiation-induced toxicities.

Pubmed Data : Food Chem Toxicol. 2018 Oct 22 ;123:72-97. Epub 2018 Oct 22. PMID: 30352300

Article Published Date : Oct 21, 2018

Authors : Muhammad A Alsherbiny, Wessam H Abd-Elsalam, Shymaa A El Badawy, Ehab Taher, Mohamed Fares, Allan Torres, Dennis Chang, Chun Guang Li

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Chemoprotective Agents : CK(2322) : AC(906), Radioprotective : CK(1668) : AC(521)

Bioactive compounds isolated from apple, tea, and ginger protect against dicarbonyl induced stress in cultured human retinal epithelial cells.

Pubmed Data : Phytomedicine. 2016 Feb 15 ;23(2):200-13. Epub 2016 Jan 5. PMID: 26926182

Article Published Date : Feb 14, 2016

Authors : Chethan Sampath, Yingdong Zhu, Shengmin Sang, Mohamed Ahmedna

Study Type : In Vitro Study
Additional Links
Substances : Apple Polyphenols : CK(175) : AC(62), EGCG (Epigallocatechin gallate) : CK(1091) : AC(605), Ginger : CK(1514) : AC(444)
Diseases : Advanced Glycation End products (AGE) : CK(440) : AC(176), Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Glycation Agents : CK(197) : AC(100), Antioxidants : CK(21528) : AC(8856), Nrf2 activation : CK(1584) : AC(916)

Combined ginger and cinnamon have significant beneficial effects on the sperm viability, motility, and serum total testosterone, LH,FSH and serum anti-oxidants level

Pubmed Data : Afr J Tradit Complement Altern Med. 2014 ;11(4):1-8. Epub 2014 Jun 4. PMID: 25392573

Article Published Date : Dec 31, 2013

Authors : Arash Khaki, Amir Afshin Khaki, Laleh Hajhosseini, Farhad Sadeghpour Golzar, Nava Ainehchi

Study Type : Animal Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Spermatogenic : CK(34) : AC(12)

Comparison of phytochemicals, antioxidant and anti-inflammatory properties of sun-, oven- and freeze-dried ginger extracts.

Pubmed Data : Foods. 2019 Oct 6 ;8(10). Epub 2019 Oct 6. PMID: 31590464

Article Published Date : Oct 05, 2019

Authors : Iswaibah Mustafa, Nyuk Ling Chin, Sharida Fakurazi, Arulselvan Palanisamy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: 26132146

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study
Additional Links
Substances : Bay leaf : CK(58) : AC(30), Black Pepper : CK(714) : AC(307), Coriandor : CK(4) : AC(4), Cumin : CK(99) : AC(38), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Mustard Oil : CK(3) : AC(3), Mustard Oil : CK(3) : AC(3), Turmeric : CK(7078) : AC(3169)
Diseases : Bacillus Cereus infection : CK(29) : AC(28), Escherichia coli Infections : CK(401) : AC(297), Listeria Infections : CK(76) : AC(64), Micrococcus luteus infections : CK(5) : AC(5), Salmonella Infections : CK(149) : AC(113), Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Antimicrobial : CK(1209) : AC(582), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Essential Oils : CK(736) : AC(311), Natural Substance Synergy : CK(1094) : AC(506)

Daily supplement of ginger extract started 3 days prior to chemotherapy has been shown to significantly elevate antioxidant activity.

Pubmed Data : Cancer Manag Res. 2017 ;9:11-18. Epub 2017 Jan 31. PMID: 28203106

Article Published Date : Dec 31, 2016

Authors : Kwanjit Danwilai, Jitprapa Konmun, Bung-Orn Sripanidkulchai, Suphat Subongkot

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Chemotherapeutic : CK(2328) : AC(1086)

Dietary ginger has a protective effect on lindane-induced oxidative stress in rats.

Pubmed Data : Altern Med Rev. 2008 Mar;13(1):6-20. PMID: 18389491

Article Published Date : Mar 01, 2008

Authors : Rafat S Ahmed, Sanvidhan G Suke, Vandana Seth, Ayanabha Chakraborti, Ashok K Tripathi, Basu D Banerjee

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Oxidative Stress : CK(9437) : AC(3550), Pesticide Toxicity : CK(1245) : AC(376)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Chemical: Lindane : CK(22) : AC(7), Plant Extracts : CK(14140) : AC(5210)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: 22314994

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Insulin Resistance : CK(3522) : AC(792), Oxidative Stress : CK(9437) : AC(3550)

Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15)

Effect of combined extracts of aged garlic, ginger, and chili peppers on cognitive performance and brain antioxidant markers.

Pubmed Data : Exp Anim. 2020 Feb 11. Epub 2020 Feb 11. PMID: 32051390

Article Published Date : Feb 10, 2020

Authors : Wanassanun Pannangrong, Jariya Umka Welbat, Amnard Chaichun, Bungorn Sripanidkulchai

Study Type : Animal Study
Additional Links
Substances : Chili pepper : CK(66) : AC(19), Garlic: Aged : CK(234) : AC(51), Ginger : CK(1514) : AC(444)
Diseases : Cognitive Decline/Dysfunction : CK(3236) : AC(654)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396)

Effects of Zingiber officinale extract supplementation on metabolic and genotoxic parameters in diet-induced obesity.

Pubmed Data : Br J Nutr. 2020 Dec 16:1-12. Epub 2020 Dec 16. PMID: 33323139

Article Published Date : Dec 15, 2020

Authors : Thaís Fernandes Luciano, Claudio Teodoro De Souza, Ricardo Aurino Pinho, Schérolin de Oliveira Marques, Gabriel Paulino Luiz, Natalia Dos Santos Tramontin, Paulo Cesar Lock da Silveira, Vanessa Moraes de Andrade, Alexandre Pastoris Muller

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Encapsulation of ginger extract in nanoemulsions: preparation, characterization and in vivo evaluation in rheumatoid arthritis.

Pubmed Data : J Pharm Sci. 2023 Jun ;112(6):1687-1697. Epub 2023 Feb 10. PMID: 36773928

Article Published Date : May 31, 2023

Authors : Hassan Maleki, Hediyeh Azadi, Yaser Yousefpoor, Mahtab Doostan, Maryam Doostan, Mohammad Hosein Farzaei

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Evaluation of curcuma and ginger mixture ability to prevent ROS production induced by bisphenol S.

Pubmed Data : Drug Chem Toxicol. 2019 Nov 19:1-7. Epub 2019 Nov 19. PMID: 31742468

Article Published Date : Nov 18, 2019

Authors : Valeria Pasciu, Elena Baralla, Maria Vittoria Varoni, Maria Piera Demontis

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Bisphenol Toxicity : CK(2930) : AC(882)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Problem Substances : Bisphenol S : CK(514) : AC(172)

Evaluation of the antidiabetic potential of extracts of Urtica dioica, Apium graveolens, and Zingiber officinale.

Pubmed Data : Plants (Basel). 2021 Jul 14 ;10(7). Epub 2021 Jul 14. PMID: **34371645**

Article Published Date : Jul 13, 2021

Authors : Rosa Martha Pérez Gutiérrez, Alethia Muñiz-Ramirez, Abraham Heriberto Garcia-Campoy, José María Mota Flores

Study Type : Animal Study
Additional Links
Substances : Celery : CK(138) : AC(60), Ginger : CK(1514) : AC(444), Nettle : CK(274) : AC(109)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)

Ginger and avocado as nutraceuticals for obesity and its comorbidities.

Pubmed Data : Phytother Res. 2020 Jan 27. Epub 2020 Jan 27. PMID: **31989713**

Article Published Date : Jan 26, 2020

Authors : Natalia Dos Santos Tramontin, Thais F Luciano, Scherolin de Oliveira Marques, Claudio T de Souza, Alexandre P Muller

Study Type : Review
Additional Links
Substances : Avocado : CK(197) : AC(61), Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Ginger and cinnamon extracts had potential therapeutic effects on G. lamblia infection in albino rats as a promising alternative therapy to the commonly used antigiardial drugs.

Pubmed Data : Iran J Parasitol. 2014 Oct-Dec;9(4):530-40. PMID: **25759734**

Article Published Date : Sep 30, 2014

Authors : Abeer Mahmoud, Rasha Attia, Safaa Said, Zedan Ibraheim

Study Type : Animal Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Giardiasis : CK(29) : AC(8)
Pharmacological Actions : Antigiardial agents : CK(7) : AC(4), Antioxidants : CK(21528) : AC(8856), Antiprotozoal Agents : CK(61) : AC(32)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Plant Extracts : CK(14140) : AC(5210)

Ginger and lemon juices as preventive agents from chronic liver damage induced by carbon tetrachloride.

Pubmed Data : Antioxidants (Basel). 2022 Feb 15 ;11(2). Epub 2022 Feb 15. PMID: **35204272**

Article Published Date : Feb 14, 2022

Authors : Oussama Bekkouch, Mohammed Dalli, Mohamed Harnafi, Ilham Touiss, Imane Mokhtari, Soufiane El Assri, Hicham Harnafi, Mohammed Choukri, Seok-Jae Ko, Bonglee Kim, Souliman Amrani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Lemon : CK(143) : AC(46)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Ginger can have beneficial effects on health complications associated with unhealthy diet.

Pubmed Data : An Acad Bras Cienc. 2019 ;91(4):e20180975. Epub 2019 Nov 11. PMID: **31721920**

Article Published Date : Dec 31, 2018

Authors : Dalila T Leal, Gleide G Fontes, Julia K D Villa, Rodrigo B Freitas, Mateus G Campos, Camilo A Carvalho, Virginia R Pizziolo, Marisa A N Diaz

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Damage : CK(2494) : AC(1121)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Anti Therapeutic Actions : Western Diet : CK(416) : AC(121)

Ginger contains the compound zerumbone, which may have chemopreventive activity through activating phase II drug metabolizing enzymes.

Pubmed Data : FEBS Lett. 2004 Aug 13;572(1-3):245-50. PMID: **15304356**

Article Published Date : Aug 13, 2004

Authors : Yoshimasa Nakamura, Chiho Yoshida, Akira Murakami, Hajime Ohigashi, Toshihiko Osawa, Koji Uchida

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Antioxidants : CK(21528) : AC(8856), Phase II Detoxification Enzyme Inducer : CK(95) : AC(52)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: **30121057**

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, HaliIİbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger exhibits behavioral radioprotection against radiation-induced taste aversion.

Pubmed Data : Pharmacol Biochem Behav. 2006 Jun;84(2):179-88. Epub 2006 Jun 21. PMID: **16797061**

Article Published Date : Jun 01, 2006

Authors : Anupum Haksar, Ashok Sharma, Raman Chawla, Raj Kumar, Rajesh Arora, Surender Singh, J Prasad, M Gupta, R P Tripathi, M P Arora, F Islam, R K Sharma

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Radioprotective : CK(1668) : AC(521)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger extract ameliorates bisphenol A induced disruption in thyroid hormones synthesis and metabolism.

Pubmed Data : Sci Total Environ. 2019 Nov 3:134664. Epub 2019 Nov 3. PMID: 31757552

Article Published Date : Nov 02, 2019

Authors : Eman T Mohammed, Khalid S Hashem, Amr E Ahmed, Mohamed Tarek Aly, Lotfi Aleya, Mohamed M Abdel-Daim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bisphenol Toxicity : CK(2930) : AC(882)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Heme oxygenase-1 up-regulation : CK(624) : AC(373), Nrf2 activation : CK(1584) : AC(916)
Problem Substances : Bisphenol A : CK(3250) : AC(951)

Ginger extract has an ameliorative effect on paraben-induced lipid peroxidation in the liver of mice.

Pubmed Data : Acta Pol Pharm. 2009 May-Jun;66(3):225-8. PMID: 19645321

Article Published Date : May 01, 2009

Authors : Veena M Asnani, Ramtej J Verma

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Parabens-Associated Toxicity : CK(36) : AC(7)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger extract protects the heart against inflammation and fibrosis in diabetes.

Pubmed Data : Can J Diabetes. 2020 Sep 2. Epub 2020 Sep 2. PMID: 33162372

Article Published Date : Sep 01, 2020

Authors : Tara Abdi, Maryam Mahmoudabady, Hadi Zare Marzouni, Saeed Niazmand, Majid Khazaei

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetic Complications : CK(3199) : AC(1009), Myocardial Fibrosis : CK(140) : AC(64)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger extracts could have a potent protective effects against nephrotoxicity induced by various toxicants.

Pubmed Data : Saudi J Biol Sci. 2019 Feb ;26(2):382-389. Epub 2017 Aug 18. PMID: 31485182

Article Published Date : Jan 31, 2019

Authors : Sami A Gabr, Ahmad H Alghadir, Gehan A Ghoniem

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Cadmium : CK(383) : AC(148)

Ginger extracts, including the water extract possess the antioxidant activities to inhibit human LDL oxidation in vitro.

Pubmed Data : J Med Food. 2014 Apr ;17(4):424-31. Epub 2014 Jan 9. PMID: **24404979**

Article Published Date : Mar 31, 2014

Authors : K D Prasanna P Gunathilake, H P Vasantha Rupasinghe

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Cholesterol: Oxidation : CK(599) : AC(140)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger improves oxidative stress and trace elements status in patients with alopecia areata.

Pubmed Data : Niger J Clin Pract. 2020 Nov ;23(11):1555-1560. PMID: **33221781**

Article Published Date : Oct 31, 2020

Authors : A N Abbas

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alopecia : CK(318) : AC(76), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)

Ginger protects mice against radiation-induced lethality.

Pubmed Data : Cancer Biother Radiopharm. 2004 Aug;19(4):422-35. PMID: **15453957**

Article Published Date : Aug 01, 2004

Authors : Ganesh Jagetia, Manjeshwar Baliga, Ponemone Venkatesh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Oxidative Stress : CK(9437) : AC(3550), Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Radioprotective : CK(1668) : AC(521)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger root extract improves GI health in diabetic rats.

Pubmed Data : Nutrients. 2022 Oct 19 ;14(20). Epub 2022 Oct 19. PMID: **36297069**

Article Published Date : Oct 18, 2022

Authors : Rui Wang, Julianna Maria Santos, Jannette M Dufour, Emily R Stephens, Jonathan M Miranda, Rachel L Washburn, Taylor Hibler, Gurvinder Kaur, Dingbo Lin, Chwan-Li Shen

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger significantly reduces paraben induced lipid peroxidation in liver and kidney cells.

Pubmed Data : Acta Pol Pharm. 2007 Jan-Feb;64(1):35-7. PMID: **17665848**

Article Published Date : Jan 01, 2007

Authors : Veena Asnani, Ramtej Jayram Verma

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Parabens-Associated Toxicity : CK(36) : AC(7)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger supplement along with NSPT may be effective in the improvement of inflammation, oxidative, and periodontal status in T2DM with chronic periodontitis.

Pubmed Data : Diabetes Metab Syndr Obes. 2019 ;12:1751-1761. Epub 2019 Sep 6. PMID: **32021341**

Article Published Date : Dec 31, 2018

Authors : Ahmad Zare Javid, Hadi Bazyar, Hasan Gholinezhad, Mehran Rahimlou, Homeira Rashidi, Parvin Salehi, Mohammad Hosein Haghighi-Zadeh

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550), Periodontitis : CK(378) : AC(98)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Ginger supplementation with antitubercular treatment significantly lowered TNF alpha, ferritin and MDA concentrations.

Pubmed Data : J Complement Integr Med. 2016 Jun 1 ;13(2):201-6. PMID: **27089418**

Article Published Date : May 31, 2016

Authors : Rashmi Anant Kulkarni, Ajit Ramesh Deshpande

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Tuberculosis : CK(686) : AC(141)
Therapeutic Actions : Integrative Medicine : CK(501) : AC(69)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Health benefits of spices in individuals with chemotherapeutic drug-induced cardiotoxicity.

Pubmed Data : Curr Opin Pharmacol. 2022 Apr ;63:102187. Epub 2022 Mar 1. PMID: **35245798**

Article Published Date : Mar 31, 2022

Authors : Jia Liu, Qing Zhang, Ting Tao, Ling-Yu Wang, Jia-Yi Sun, Chun-Jie Wu, Wen-Jun Zou

Study Type : Review
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Cardamom : CK(42) : AC(11), Clove : CK(177) : AC(99), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Onion : CK(420) : AC(124)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906)

Hepatoprotective effects of moderate-intensity interval training along with ginger juice in an old male rat model.

Pubmed Data : Pflugers Arch. 2023 Apr ;475(4):437-452. Epub 2023 Jan 24. PMID: **36692542**

Article Published Date : Mar 31, 2023

Authors : Omid Abazari, Abolfazl Shakibaee, Alireza Shahriary, Ehsan Arabzadeh, Martin Hofmeister

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: **26667466**

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Lipid Peroxidation : CK(1632) : AC(631), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: **20211236**

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Aging : CK(3728) : AC(933), Cancers: All : CK(28241) : AC(10590), Cardiovascular Diseases : CK(12780) : AC(1983), Dementia : CK(1689) : AC(279), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Promising roles of Zingiber officinale roscoe, Curcuma longa L., and Momordica charantia L. as immunity modulators against COVID-19.

Pubmed Data : J Agric Food Res. 2023 Dec ;14:100680. Epub 2023 Jun 12. PMID: **37346755**

Article Published Date : Nov 30, 2023

Authors : Hassan I Sheikh, Nor Hafizah Zakaria, Fadzilah Adibah Abdul Majid, Fatihah Zamzuri, Anis Fadhlina, Muhammad Afnan Shakir Hairani

Study Type : Review
Additional Links
Substances : Bitter Melon : CK(411) : AC(166), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Coronavirus Disease : CK(309) : AC(106)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Antiviral Agents : CK(1957) : AC(1034)

Protective effect of quercetin and ginger extract against dimethoate potentiated fluoride-induced nephrotoxicity.

Pubmed Data : Foods. 2023 May 5 ;12(9). Epub 2023 May 5. PMID: 37174437

Article Published Date : May 04, 2023

Authors : Priyanka Sharma, Pawan Kumar Verma, Shilpa Sood, Rasia Yousuf, Amit Kumar, Rajinder Raina, Muhammad Asim Shabbir, Zuhaib F Bhat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Quercetin : CK(1179) : AC(590)
Diseases : Fluoride Toxicity : CK(306) : AC(114), Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Sodium Fluoride : CK(331) : AC(122)

Protective effect of zingerone against mouse testicular damage induced by zinc oxide nanoparticles.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jul 3. Epub 2019 Jul 3. PMID: 31270769

Article Published Date : Jul 02, 2019

Authors : Zeinab Rafiee, Layasadat Khorsandi, Fereshteh Nejad-Dehbashi

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Testicular Injury: Chemical/Metal Induced : CK(340) : AC(174)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Spermatogenic : CK(34) : AC(12)
Problem Substances : Nanoparticles : CK(79) : AC(45), Zinc Oxide : CK(27) : AC(13)

Protective effects of zingerone on cisplatin-induced nephrotoxicity.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jun 4. Epub 2019 Jun 4. PMID: 31165450

Article Published Date : Jun 03, 2019

Authors : Fatih Mehmet Kandemir, Serkan Yildirim, Cuneyt Caglayan, Sefa Kucukler, Gizem Eser

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Chemoprotective Agents : CK(2322) : AC(906)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: 27544404

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Lipid Peroxidation : CK(1632) : AC(631)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

The protective effect of cinnamon and ginger hydro-alcoholic extract on carbon tetrachloride-induced testicular damage.

Pubmed Data : Andrologia. 2020 May 26:e13651. Epub 2020 May 26. PMID: 32453896

Article Published Date : May 25, 2020

Authors : Mohammad Mazani, Masoud Ojarudi, Shokofeh Banaei, Ramin Salimnejad, Milad Latifi, Hanieh Azizi, Lotfollah Rezagholizadeh

Study Type : Animal Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Testicular Injury: Chemical/Metal Induced : CK(340) : AC(174)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)

The use of ginger and especially gingerols as medicinal food derivative appears to be safe in treating or preventing chronic diseases.

Pubmed Data : Adv Exp Med Biol. 2016 ;929:177-207. PMID: **27771925**

Article Published Date : Dec 31, 2015

Authors : Yasmin Anum Mohd Yusof

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Chronic Disease : CK(84) : AC(10)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Therapeutic potentials of ginger for treatment of Multiple sclerosis.

Pubmed Data : J Neuroimmunol. 2018 11 15 ;324:54-75. Epub 2018 Sep 12. PMID: **30243185**

Article Published Date : Jan 14, 2018

Authors : Abdollah Jafarzadeh, Maryam Nemati

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Multiple Sclerosis : CK(1802) : AC(394), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Immunomodulatory : CK(4048) : AC(1475)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

These data provide new insights into the preventive approach of zingerone against the development of the NAFLD.

Pubmed Data : Gen Physiol Biophys. 2016 Apr ;35(2):185-94. Epub 2016 Feb 26. PMID: **26915720**

Article Published Date : Mar 31, 2016

Authors : Jeyabarathy Muniandy Narayanan, Victor A S Jesudoss

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : High Fructose Diet : CK(383) : AC(147), Nonalcoholic fatty liver disease (NAFLD) : CK(1862) : AC(521)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

These findings suggest that a hydro-alcoholic extract of ginger is a potentially novel therapeutic strategy for inhibiting adhesion formation.

Pubmed Data : Evid Based Complement Alternat Med. 2023 ;2023:4086631. Epub 2023 Feb 21. PMID: **36865747**

Article Published Date : Dec 31, 2022

Authors : Roghayeh Yahyazadeh, Vafa Baradaran Rahimi, Seyed Ahmad Mohajeri, Milad Iranshahy, Ahmad Yahyazadeh, Maede Hasanpour, Mehrdad Iranshahi, Vahid Reza Askari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Abdominal Adhesions : CK(50) : AC(10), Colon Surgery : CK(31) : AC(8)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856),

Glutathione Upregulation : CK(299) : AC(96), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

These findings suggested that Angelica sinensis and Zingiber officinale may be a promising supplement for current IBD therapy.

Pubmed Data : Int J Mol Sci. 2019 Aug 5 ;20(15). Epub 2019 Aug 5. PMID: **31387229**

Article Published Date : Aug 04, 2019

Authors : Jia Liu, Ling Yu, Nuolan Mo, Hai Lan, Yan Zhang, Xin Liu, Qing Wu

Study Type : Animal Study
Additional Links
Substances : Angelica : CK(173) : AC(73), Ginger : CK(1514) : AC(444)
Diseases : Colitis : CK(840) : AC(406), Inflammatory Bowel Diseases : CK(1994) : AC(540)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

These preliminary results indicate the efficacy and safety of Movardol supplementation in the management of moderate knee osteoarthritis.

Pubmed Data : Eur Rev Med Pharmacol Sci. 2016 Dec ;20(24):5198-5204. PMID: **28051248**

Article Published Date : Nov 30, 2016

Authors : G Bolognesi, G Belcaro, B Feragalli, U Cornelli, R Cotellese, S Hu, M Dugall

Study Type : Human Study
Additional Links
Substances : Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: **28505392**

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Metabolic Syndrome X : CK(2073) : AC(376), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

This study indicated that in diabetic hemodialysis patients, ginger could result to lower blood glucose levels, enhanced insulin sensitivity.

Pubmed Data : BMC Complement Med Ther. 2023 Feb 17 ;23(1):52. Epub 2023 Feb 17. PMID: **36800950**

Article Published Date : Feb 16, 2023

Authors : Helya Rostamkhani, Parisa Veisi, Bahram Niknafs, Mohammad Asghari Jafarabadi, Zohreh Ghoreishi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Insulin Resistance : CK(3522) : AC(792), Kidney Failure: Chronic : CK(238) : AC(35)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)
Problem Substances : Insulin : CK(384) : AC(68)

Turmeric and ginger were effective in eliminating arsenic from the body but could protect from possible damage caused by arsenic exposure.

Pubmed Data : J Ethnopharmacol. 2016 Aug 2. Epub 2016 Aug 2. PMID: 27496583

Article Published Date : Aug 01, 2016

Authors : Suman Biswas, Chinmoy Maji, Prasanta Kumar Sarkar, Samar Sarkar, Abichal Chattopadhyay, Tapan Kumar Mandal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Arsenic Poisoning : CK(243) : AC(91)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cytoprotective : CK(659) : AC(326), Detoxifier : CK(644) : AC(202)

Z. officinale paste could be used as natural spice and a potent antitumour agent.

Pubmed Data : Appl Biochem Biotechnol. 2016 Jul 19. Epub 2016 Aug 19. PMID: 27435276

Article Published Date : Jul 18, 2016

Authors : Sundararaj Rubila, Thottiam Vasudevan Ranganathan, Kunnathur Murugesan Sakthivel

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lymphoma: Dalton's : CK(5) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Z. officinale rhizome extract exerts a protective role against diabetes-induced renal injury.

Pubmed Data : Biomed Pharmacother. 2018 Jun 29 ;106:381-389. Epub 2018 Jun 29. PMID: 29966984

Article Published Date : Jun 28, 2018

Authors : Amir M Al Hroob, Mohammad H Abukhalil, Reham D Alghonmeen, Ayman M Mahmoud

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: 29537332

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone has a protective effect on the ethanol-induced gastric ulcer.

Pubmed Data : Medicina (Kaunas). 2019 Mar 11 ;55(3). Epub 2019 Mar 11. PMID: **30862060**

Article Published Date : Mar 10, 2019

Authors : Neda Sistani Karampour, Ardeshir Arzi, Anahita Rezaie, Marzieh Pashmforoosh, Fatemeh Kordi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Gastric Ulcer : CK(470) : AC(212)
Pharmacological Actions : Anti-Ulcer Agents : CK(523) : AC(184), Antioxidants : CK(21528) : AC(8856), Gastrointestinal Agents : CK(3145) : AC(843)

Zingerone prevented cardiomyocyte apoptosis, by virtue of its antioxidant and anti-apoptotic properties.

Pubmed Data : Eur J Pharmacol. 2018 Feb 15 ;821:105-111. Epub 2017 Oct 2. PMID: **28982542**

Article Published Date : Feb 14, 2018

Authors : Ponnian Stanely Mainzen Prince, Kunchupillai Lakhsmanan Hemalatha

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675)
Problem Substances : Isoproterenol : CK(65) : AC(35)

Zingerone produced marked improvement in stress induced irritable bowel disorder

Pubmed Data : Phytomedicine. 2014 Mar 15 ;21(4):423-9. Epub 2013 Nov 18. PMID: **24262066**

Article Published Date : Mar 14, 2014

Authors : David Banji, Otilia J F Banji, Bandlapalli Pavani, Ch Kranthi Kumar, A R Annamalai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Irritable Bowel Syndrome : CK(1106) : AC(164), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Zingerone protected the rat's heart against isoproterenol-induced myocardial infarction.

Pubmed Data : J Biochem Mol Toxicol. 2015 Feb ;29(2):63-9. Epub 2014 Sep 30. PMID: **25271244**

Article Published Date : Jan 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Lipid Peroxidation : CK(1632) : AC(631), Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675)
Problem Substances : Isoproterenol : CK(65) : AC(35)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: **30532634**

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-2 Downregulation : CK(123) : AC(51), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone protects against stannous chloride-induced and hydrogen peroxide-induced oxidative DNA damage.

Pubmed Data : Biol Trace Elem Res. 2013 Dec ;155(3):455-9. Epub 2013 Sep 5. PMID: **24006104**

Article Published Date : Nov 30, 2013

Authors : Iyappan Rajan, Nithya Narayanan, Remitha Rabindran, P R Jayasree, P R Manish Kumar

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : DNA damage : CK(1997) : AC(713)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Genoprotective : CK(477) : AC(177)

Zingiber officinale diminishes diazinon-induced hepatotoxicity by suppressing oxidative stress and apoptosis.

Pubmed Data : Biotech Histochem. 2020 Jul 16:1-7. Epub 2020 Jul 16. PMID: **32672073**

Article Published Date : Jul 15, 2020

Authors : Saeed Yaghubi Beklar, Maedeh Hamzeh, Abbasali Karimpour Malekshah, Fereshteh Talebpour Amiri

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Pesticide Toxicity : CK(1245) : AC(376)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Pesticides : CK(2214) : AC(420)

Zingiber officinale extract and 6-gingerol provide protection against acute mercuric chloride-intoxication.

Pubmed Data : Biomed Pharmacother. 2017 May 8 ;91:645-655. Epub 2017 May 8. PMID: **28494418**

Article Published Date : May 07, 2017

Authors : Deepmala Joshi, Sunil Kumar Srivastav, Sateesh Belemkar, Vaibhav A Dixit

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Mercury Poisoning : CK(449) : AC(136)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Mercury : CK(808) : AC(185)

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zingerone modulates hyperglycaemia, hyperlipidaemia, oxidative biochemical markers and degenerative changes in β-cells of treated diabetic groups.

Pubmed Data : Arch Physiol Biochem. 2019 Aug 7:1-7. Epub 2019 Aug 7. PMID: **31389247**

Article Published Date : Aug 06, 2019

Authors : Tarique Anwer, Zafar Ali Alkarbi, Ali Hassan Najmi, Saeed Alshahrani, Rahimullah Siddiqui, Gyas Khan, Mohammad Firoz Alam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)

Antiparasitic Agents (AC 7) (CK 10)

A review of medicinal plants that exhibit anti-Toxoplasma effects.

Pubmed Data : Asian Pac J Trop Med. 2016 Aug ;9(8):730-4. Epub 2016 Jun 28. PMID: 27569880

Article Published Date : Jul 31, 2016

Authors : Ibrahim Al Nasr, Faiyaz Ahmed, Fawaz Pullishery, Saeed El-Ashram, Vardharajula Venkata Ramaiah

Study Type : Review
Additional Links
Substances : Capparis spinosa (caper) : CK(18) : AC(12), Ginger : CK(1514) : AC(444), Juniper : CK(30) : AC(22), Myrrh : CK(85) : AC(41), Sophora Flavescens : CK(43) : AC(17), Tongkat Ali : CK(62) : AC(17), Turmeric : CK(7078) : AC(3169)
Diseases : Toxoplasma gondii Infection : CK(599) : AC(108)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)

Andrographis, Tinospora and especially Zingiber officinale (ginger) have anti-parasitic activity against canine dirofilariasis (heartworm).

Pubmed Data : Res Vet Sci. 2010 Feb;88(1):142-7. Epub 2009 Jun 4. PMID: 19500810

Article Published Date : Feb 01, 2010

Authors : L T Merawin, A K Arifah, R A Sani, M N Somchit, A Zuraini, S Ganabadi, Z A Zakaria

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dog Diseases : CK(5) : AC(3), Pets: Heartworm : CK(3) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Decreased parasite load, as detected by qPCR, was observed in all treatment groups.

Pubmed Data : BMC Complement Med Ther. 2021 Feb 25 ;21(1):77. Epub 2021 Feb 25. PMID:33632196

Article Published Date : Feb 24, 2021

Authors : Marcella Paula Mansano Sarto, Hevillyn Fernanda Lucas da Silva, Nilma de Souza Fernandes, Ana Paula de Abreu, Gerson Zanusso Junior, Max Jean de Ornelas Toledo

Study Type : Animal Study
Additional Links
Substances : Clove : CK(177) : AC(99), Ginger : CK(1514) : AC(444)
Diseases : Trypanosomiasis : CK(4) : AC(3)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Ginger (intravenous) exhibits antiparasitic activity against Dirofilaria

immitis (heartworm).

Pubmed Data : J Helminthol. 1987 Sep;61(3):268-70. PMID: 3668217

Article Published Date : Sep 01, 1987

Authors : A Datta, N C Sukul

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dog Diseases : CK(5) : AC(3), Pets: Heartworm : CK(3) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger and garlic treatment significantly lowered the number of the blastocystis hominis parasites.

Pubmed Data : J Egypt Soc Parasitol. 2015 Apr ;45(1):93-100. PMID: 26012223

Article Published Date : Mar 31, 2015

Authors : Ekhlas H Abdel-Hafeez, Azza K Ahmad, Noha H Andelgelil, Manal Z M Abdellatif, Amany M Kamal, Rabie M Mohamed

Study Type : In Vitro Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Onion : CK(420) : AC(124), Turmeric : CK(7078) : AC(3169)
Diseases : Parasitic Intestinal Diseases : CK(17) : AC(11)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)

Ginger has an important anti-hydatic effect in vitro.

Pubmed Data : Asian Pac J Trop Med. 2016 Aug ;9(8):749-56. Epub 2016 Jun 29. PMID: 27569883

Article Published Date : Jul 31, 2016

Authors : Manel Amri, Chafia Touil-Boukoffa

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Hydatidosis : CK(3) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121), Immunomodulatory : CK(4048) : AC(1475)

The potential therapeutic effect of Nigella sativa and Zingiber officinale extracts versus Nitazoxanide drug against experimentally induced cryptosporidiosis.

Pubmed Data : J Parasit Dis. 2023 Jun ;47(2):329-339. Epub 2023 Mar 25. PMID: 37193490

Article Published Date : May 31, 2023

Authors : Samah Hassan Yahia, Reda Lamei El Gamal, Ghada Mahmoud Fathy, Asmaa Mohammed Farouk Al-Ghandour, Nadia El-Akabawy, Basma Hosny Abdel-Hameed, Enas Saed Elbahaie

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Nigella sativa (aka Black Seed) : CK(1815) : AC(478)
Diseases : Cryptosporidiosis : CK(2) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506), Superiority of Natural Substances versus Drugs : CK(1644) : AC(347)

Antiproliferative (AC 24) (CK 29)

10-gingerol-loaded nanoemulsion and its biological effects on triple-negative breast cancer cells.

Pubmed Data : AAPS PharmSciTech. 2021 May 18 ;22(5):157. Epub 2021 May 18. PMID: 34008089

Article Published Date : May 17, 2021

Authors : Ideli Zanesco-Fontes, Ana Carolina Lopes Silva, Patrícia Bento da Silva, Jonatas Lobato Duarte, Leonardo Delello Di Filippo, Marlus Chorilli, Marcia Regina Cominetti, Ana Carolina Baptista Moreno Martin

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

6-Dehydrogingerdione, an active constituent of dietary ginger, induces cell cycle arrest and programmed cell death in human breast cancer cells.

Pubmed Data : Mol Nutr Food Res. 2010 Feb 19. Epub 2010 Feb 19. PMID: 20175081

Article Published Date : Feb 19, 2010

Authors : Ya-Ling Hsu, Chung-Yi Chen, Ming-Feng Hou, Eing-Mei Tsai, Yuh-Jyh Jong, Chih-Hsing Hung, Po-Lin Kuo

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

6-gingerol a component of ginger is extensively metabolized in H-1299 human lung cancer cells.

Pubmed Data : J Agric Food Chem. 2012 Nov 14 ;60(45):11372-7. Epub 2012 Nov 6. PMID: 23066935

Article Published Date : Nov 13, 2012

Authors : Lishuang Lv, Huadong Chen, Dominique Soroka, Xiaoxin Chen, TinChung Leung, Shengmin Sang

Study Type : Animal Study, Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Carcinoma: Non-Small-Cell Lung : CK(264) : AC(161), Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032)
Additional Keywords : Biotransformation : CK(5) : AC(1), Plant Extracts : CK(14140) : AC(5210)

A compound from ginger, 6]-gingerol, may be an effective agent in the treatment of skin cancer.

Pubmed Data : Chem Biol Interact. 2009 Sep 14;181(1):77-84. Epub 2009 May 27. PMID: 19481070

Article Published Date : Sep 14, 2009

Authors : Nidhi Nigam, Kulpreet Bhui, Sahdeo Prasad, Jasmine George, Yogeshwer Shukla

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Skin Cancer: Squamous Cell : CK(58) : AC(22)

Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: 23717767

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Inflammation : CK(9572) : AC(3089), Liver Disease: Oxidative Stress : CK(12) : AC(6), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antioxidants : CK(21528) : AC(8856), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Gastrointestinal Agents : CK(3145) : AC(843)

A review of the protective and therapeutic potential of ginger extract and 6-gingerol in cancer.

Pubmed Data : Phytother Res. 2018 Jul 16. Epub 2018 Jul 16. PMID: 30009484

Article Published Date : Jul 15, 2018

Authors : Rosália Maria Tôrres de Lima, Antonielly Campinho Dos Reis, Ag-Anne Pereira Melo de Menezes, José Victor de Oliveira Santos, José Williams Gomes de Oliveira Filho, José Roberto de Oliveira Ferreira, Marcus Vinícius Oliveira Barros de Alencar, Ana Maria Oliveira Ferreira da Mata, Ishaq N Khan, Amirul Islam, Shaikh Jamal Uddin, Eunüs S Ali, Muhammad Torequl Islam, Swati Tripathi, Siddhartha Kumar Mishra, Mohammad S Mubarak, Ana Amélia de Carvalho Melo-Cavalcante

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

Anti-cancer effects of traditional medicinal herbs on oral squamous cell carcinoma.

Pubmed Data : Asian Pac J Cancer Prev. 2020 Feb 1 ;21(2):479-484. Epub 2020 Feb 1. PMID: 32102527

Article Published Date : Jan 31, 2020

Authors : Ali Dehghani Nazhvani, Najmeh Sarafraz, Fatemeh Askari, Fahimeh Heidari, Mahboobeh Razmkhah

Study Type : In Vitro Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189)
Diseases : Oral Cancer : CK(510) : AC(245), Squamous cell carcinoma : CK(427) : AC(218)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Autophagy Up-regulation : CK(518) : AC(349)

Curcuma rhizome, a main representant of Zingiberaceae family may be a promising natural source for active compounds against malignant melanoma.

Pubmed Data : Biol Res. 2015 Jan 12 ;48(1):1. Epub 2015 Jan 12. PMID: 25654588

Article Published Date : Jan 11, 2015

Authors : Corina Danciu, Lavinia Vlaia, Florinela Fetea, Monica Hancianu, Dorina E Coricovac, Sorina A Ciurlea, Codruţa M Şoica, Iosif Marincu, Vicentiu Vlaia, Cristina A Dehelean, Cristina Trandafirescu

Study Type : In Vitro Study
Additional Links
Substances : , Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Malignant Melanoma : CK(87) : AC(38)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils.

Pubmed Data : Biomed Pharmacother. 2018 Oct ;106:946-955. Epub 2018 Jul 12. PMID: 30119267

Article Published Date : Sep 30, 2018

Authors : Waad A Al-Otaibi, Mayson H Alkhatib, Abdulwahab Noor Wali

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Cervical Cancer : CK(756) : AC(422)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemosensitizer : CK(1124) : AC(854)
Additional Keywords : Chemotherapeutic Synergy: Mitomycin C : CK(7) : AC(6), Essential Oils : CK(736) : AC(311)

Ginger exhibits anti-lung cancer properties.

Pubmed Data : J Med Food. 2010 Dec;13(6):1347-54. PMID: 21091248

Article Published Date : Dec 01, 2010

Authors : Wirote Tuntiwechapikul, Thanachai Taka, Chonnipa Songsomboon, Navakoon Kaewtunjai, Arisa Imsumran, Luksana Makonkawkeyoon, Wilart Pompimon, T Randall Lee

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Telomerase Inhibitor : CK(95) : AC(62)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger extract inhibited cell proliferation and subsequently induced the autotic death of pancreatic cancer Panc-1 cells.

Pubmed Data : PLoS One. 2015 ;10(5):e0126605. Epub 2015 May 11. PMID: 25961833

Article Published Date : Dec 31, 2014

Authors : Miho Akimoto, Mari Iizuka, Rie Kanematsu, Masato Yoshida, Keizo Takenaga

Study Type : Animal Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Pancreatic Cancer : CK(1307) : AC(451)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Autophagy Up-regulation : CK(518) : AC(349)

Ginger phytochemicals inhibit cell growth and modulate drug resistance factors in docetaxel resistant prostate cancer cells.

Pubmed Data : Molecules. 2017 Sep 5 ;22(9). Epub 2017 Sep 5. PMID: 28872603

Article Published Date : Sep 04, 2017

Authors : Chi-Ming Liu, Chiu-Li Kao, Yu-Ting Tseng, Yi-Ching Lo, Chung-Yi Chen

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: Drug Resistant : CK(715) : AC(493), Prostate Cancer : CK(2407) : AC(834)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Chemotherapeutic : CK(2328) : AC(1086)

Ginger polysaccharides induced cell cycle arrest and apoptosis in human hepatocellular carcinoma HepG2 cells.

Pubmed Data : Int J Biol Macromol. 2018 Nov 8 ;123:81-90. Epub 2018 Nov 8. PMID: **30414900**

Article Published Date : Nov 07, 2018

Authors : Yun Wang, Shengxuan Wang, Rongzhen Song, Jingjing Cai, Jingjing Xu, Xiaozhen Tang, Ningyang Li

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)
Additional Keywords : Polysaccharides : CK(625) : AC(392)

Ginger: A novel strategy to battle cancer through modulating cell signalling pathways.

Pubmed Data : Curr Pharm Biotechnol. 2019 Jan 19. Epub 2019 Jan 19. PMID: **30659535**

Article Published Date : Jan 18, 2019

Authors : Ahmad Almatroudi, Mohammed A Alsahli, Faris Alrumaihi, Khaled S Allemailem, Arshad Husain Rahmani

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Angiogenesis Inhibitors : CK(488) : AC(296), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

Gingerenone A induces antiproliferation and senescence of breast cancer cells.

Pubmed Data : Antioxidants (Basel). 2022 Mar 19 ;11(3). Epub 2022 Mar 19. PMID: **35326237**

Article Published Date : Mar 18, 2022

Authors : Tzu-Jung Yu, Jen-Yang Tang, Jun-Ping Shiau, Ming-Feng Hou, Chia-Hung Yen, Fu Ou-Yang, Chung-Yi Chen, Hsueh-Wei Chang

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032)

Gingerol, a compound found within ginger, inhibits metastasis of human breast cancer cells.

Pubmed Data : J Nutr Biochem. 2008 May;19(5):313-9. Epub 2007 Aug 1. PMID: **17683926**

Article Published Date : May 01, 2008

Authors : Hyun Sook Lee, Eun Young Seo, Nam E Kang, Woo Kyung Kim

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Cancer Metastasis : CK(798) : AC(431)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Antiproliferative : CK(6801) : AC(5032), Matrix

metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442)

Mechanisms of chemopreventive and therapeutic proprieties of ginger extracts in cancer.

Pubmed Data : Int J Mol Sci. 2021 Jun 20 ;22(12). Epub 2021 Jun 20. PMID: **34202966**

Article Published Date : Jun 19, 2021

Authors : Mariia Zadorozhna, Domenica Mangieri

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Angiogenesis Inhibitors : CK(488) : AC(296), Antiproliferative : CK(6801) : AC(5032), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)

Metabolites of [6]-shogoal can account for the bioactivity of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: **23382939**

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Colon Cancer : CK(1493) : AC(954), Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Metabolites : CK(64) : AC(20)

Synergistic evaluation of ginger and licorice extracts in a mouse model of colorectal cancer.

Pubmed Data : Nutr Cancer. 2020 Jun 25:1-11. Epub 2020 Jun 25. PMID: **32586136**

Article Published Date : Jun 24, 2020

Authors : Amir Mohammad Saeedifar, Ghasem Mosayebi, Ali Ghazavi, Ali Ganji

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Licorice : CK(697) : AC(305)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506)

These results indicate that Zingiberene may inhibit the growth of colon cancer in vitro and in vivo.

Pubmed Data : J BUON. 2019 Jul-Aug;24(4):1470-1475. PMID: **31646793**

Article Published Date : Jun 30, 2019

Authors : Hai Chen, Xiaocheng Tang, Ting Liu, Liang Jing, Junhui Wu

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

These results indicated that the effective components of Pinelliae extract for Purging Stomach-Fire in gastric cancer treatment were pinelliae and dried ginger.

Pubmed Data : Am J Transl Res. 2016 ;8(7):2937-46. Epub 2016 Jul 15. PMID: 27508014

Article Published Date : Dec 31, 2015

Authors : Xi-Ping Liu, Hai-Xia Ming, Pei-Qing Li

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Pinellia : CK(3) : AC(2)
Diseases : Gastric Cancer : CK(1165) : AC(504)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

Turmeric and ginger essential oils could induce apoptosis in cervical cancer cells.

Pubmed Data : ScientificWorldJournal. 2016 ;2016:9273078. Epub 2016 Nov 30. PMID: 28042599

Article Published Date : Dec 31, 2015

Authors : P A S R Santos, G B Avanço, S B Nerilo, R I A Marcelino, V Janeiro, M C Valadares, Miguel Machinski

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cervical Cancer : CK(756) : AC(422)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Zingiber zerumbet (a member of the ginger family) contains compounds that inhibit histone deacetylase and exhibited growth inhibitory activity on various human tumor cell lines.

Pubmed Data : Pharmazie. 2008 Oct;63(10):774-6. PMID: 18972844

Article Published Date : Oct 01, 2008

Authors : Ill-Min Chung, Min-Young Kim, Won-Hwan Park, Hyung-In Moon

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Tumors : CK(205) : AC(120)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Histone deacetylase inhibitor : CK(98) : AC(69)

Zingiberene targets the miR-16/cyclin-B1 axis to regulate the growth, migration and invasion of human liver cancer cells.

Pubmed Data : J BUON. 2020 Jul-Aug;25(4):1904-1910. PMID: 33099931

Article Published Date : Jun 30, 2020

Authors : Xiulan Peng, Renfeng Luo, Jingtao Li, Anbing He, Xia Wang, Huan Wan, Yahong Cai, Weiguo Dong, Jun Lin

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancer Metastasis : CK(798) : AC(431), Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), MicroRNA modulator : CK(1023) : AC(618)

Antiprotozoal Agents (AC 2) (CK 4)

Ginger and Turmeric extracts may represent effective and natural therapeutic alternatives in the treatment of giardiosis.

Pubmed Data : Parasitol Res. 2016 Mar 16. Epub 2016 Mar 16. PMID: 26984104

Article Published Date : Mar 15, 2016

Authors : Ahmad K Dyab, Doaa A Yones, Zedan Z Ibraheim, Tasneem M Hassan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Giardiasis : CK(29) : AC(8)
Pharmacological Actions : Antiprotozoal Agents : CK(61) : AC(32), Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Dose Response : CK(1712) : AC(683)

Ginger and cinnamon extracts had potential therapeutic effects on G. lamblia infection in albino rats as a promising alternative therapy to the commonly used antigiardial drugs.

Pubmed Data : Iran J Parasitol. 2014 Oct-Dec;9(4):530-40. PMID: 25759734

Article Published Date : Sep 30, 2014

Authors : Abeer Mahmoud, Rasha Attia, Safaa Said, Zedan Ibraheim

Study Type : Animal Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Giardiasis : CK(29) : AC(8)
Pharmacological Actions : Antigiardial agents : CK(7) : AC(4), Antioxidants : CK(21528) : AC(8856), Antiprotozoal Agents : CK(61) : AC(32)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Plant Extracts : CK(14140) : AC(5210)

Antispasmodic (AC 1) (CK 1)

Ginger is useful in gastrointestinal disorders due to its spasmolytic activity.

Pubmed Data : Dig Dis Sci. 2005 Oct;50(10):1889-97. PMID: 16187193

Article Published Date : Oct 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colic : CK(196) : AC(25), Diarrhea : CK(910) : AC(145), Dyspepsia : CK(371) : AC(44)
Pharmacological Actions : Antispasmodic : CK(140) : AC(37)

Antiviral Agents (AC 12) (CK 39)

Ashwagandha and Shunthi in mild and moderate COVID-19.

Pubmed Data : Complement Ther Med. 2023 Sep ;76:102966. Epub 2023 Jul 22. PMID: 37482107

Article Published Date : Aug 31, 2023

Authors : Harbans Singh, Babita Yadav, Amit K Rai, Sumit Srivastava, Ajv Saiprasad, Sophia Jameela, Richa Singhal, Sanuj Muralidharan, Rijin Mohan, Shikha Chaudhary, Rakesh Rana, Shruti Khanduri, Bhagwan S Sharma, Bhogavalli Chandrasekhararao, Narayanam Srikanth, Kartar S Dhiman

Study Type : Human Study
Additional Links
Substances : Ashwagandha : CK(418) : AC(173), Ginger : CK(1514) : AC(444)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Fresh ginger (Zingiber officinale) has anti-viral activity against human respiratory syncytial virus in human respiratory tract cell lines.

Pubmed Data : J Ethnopharmacol. 2012 Nov 1. Epub 2012 Nov 1. PMID: 23123794

Article Published Date : Oct 31, 2012

Authors : Jung San Chang, Kuo Chih Wang, Chia Feng Yeh, Den En Shieh, Lien Chai Chiang

Study Type : Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Respiratory Syncytial Virus Infections : CK(123) : AC(45)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)
Additional Keywords : Fresh Versus Dried Potencies : CK(5) : AC(1)

Ginger contains compounds which inhibit rhinoviral activity.

Pubmed Data : Brain Res. 2004 Sep 10;1020(1-2):1-11. PMID: 8064299

Article Published Date : Sep 10, 2004

Authors : C V Denyer, P Jackson, D M Loakes, M R Ellis, D A Young

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Rhinovirus Infection : CK(83) : AC(34)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Ginger may have anti- avian influenza virus H9N2 potential.

Pubmed Data : Pak J Pharm Sci. 2017 Jul ;30(4):1341-1344. PMID: 29039335

Article Published Date : Jun 30, 2017

Authors : Amir Rasool, Muti-Ur-Rehman Khan, Muhammad Asad Ali, Aftab Ahmad Anjum, Ishtiaq Ahmed, Asim Aslam, Ghulam Mustafa, Saima Masood, Muhammad Amjad Ali, Muhammad Nawaz

Study Type : In Vitro Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444)
Diseases : Avian Influenza : CK(38) : AC(22)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Gingerenone A could be potentially useful for the control of influenza virus infections.

Pubmed Data : Viruses. 2020 10 8 ;12(10). Epub 2020 Oct 8. PMID: 33050000

Article Published Date : Jan 07, 2020

Authors : Jiongjiong Wang, Richard A Prinz, Xiufan Liu, Xiulong Xu

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Influenza : CK(1407) : AC(288)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Herbal supplement (Combi-5) in the management of COVID 19 individual with mild to moderate symptoms: a case report.

Pubmed Data : J Complement Integr Med. 2021 May 7. Epub 2021 May 7. PMID: 33962499

Article Published Date : May 06, 2021

Authors : Augustine Anayochukwu Onyeaghala, Emmanuella Ogechi Onyeaghala, Chinedum Peace Babalola, Oluwasanmi Olayinka Aina, Dadik Jelpe

Study Type : Human: Case Report
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169), Vitamin C : CK(4687) : AC(1149), Zinc : CK(1486) : AC(267)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Immunomodulatory role and potential utility of various nutrients and dietary components in SARS-CoV-2 infection.

Pubmed Data : Int J Vitam Nutr Res. 2021 Jun 8:1-14. Epub 2021 Jun 8. PMID: 34100300

Article Published Date : Jun 07, 2021

Authors : Muhammad Osama Yaseen, Humzah Jamshaid, Arifa Saif, Talib Hussain

Study Type : Review
Additional Links
Substances : Elderberry : CK(197) : AC(74), Fruit: All : CK(7227) : AC(1679), Ginger : CK(1514) : AC(444), Probiotics : CK(7680) : AC(1196), Selenium : CK(1322) : AC(290), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antiviral Agents : CK(1957) : AC(1034), Immunomodulatory : CK(4048) : AC(1475)

Mechanistic aspects of medicinal plants and secondary metabolites against severe acute respiratory syndrome coronavirus 2.

Pubmed Data : Curr Pharm Des. 2021 ;27(38):3996-4007. PMID: 34225607

Article Published Date : Dec 31, 2020

Authors : Khojasteh Malekmohammad, Mahmoud Rafieian-Kopaei

Study Type : Review
Additional Links
Substances : Ashwagandha : CK(418) : AC(173), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Guduchi : CK(93) : AC(21), Holy Basil : CK(203) : AC(78), Licorice : CK(697) : AC(305), Nigella sativa (aka Black Seed) : CK(1815) : AC(478)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Promising roles of Zingiber officinale roscoe, Curcuma longa L., and Momordica charantia L. as immunity modulators against COVID-19.

Pubmed Data : J Agric Food Res. 2023 Dec ;14:100680. Epub 2023 Jun 12. PMID: 37346755

Article Published Date : Nov 30, 2023

Authors : Hassan I Sheikh, Nor Hafizah Zakaria, Fadzilah Adibah Abdul Majid, Fatihah Zamzuri, Anis Fadhlina, Muhammad Afnan Shakir Hairani

Study Type : Review
Additional Links
Substances : Bitter Melon : CK(411) : AC(166), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Coronavirus Disease : CK(309) : AC(106)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Antiviral Agents : CK(1957) : AC(1034)

The effects of combination of Zingiber officinale and Echinacea on alleviation of clinical symptoms and hospitalization rate of suspected COVID-19 outpatients.

Pubmed Data : J Complement Integr Med. 2021 Mar 31. Epub 2021 Mar 31. PMID: 33787192

Article Published Date : Mar 30, 2021

Authors : Mehdi Mesri, Seied Saeid Esmaeili Saber, Mohammadreza Godazi, Aboulfazl Roustaei Shirdel, Reza Montazer, Hamid Reza Koohestani, Nayereh Baghcheghi, Mahmood Karimy, Nemat Azizi

Study Type : Human Study
Additional Links
Substances : Echinacea : CK(838) : AC(218), Ginger : CK(1514) : AC(444)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Various extracts of ginger inhibit Cytomegalovirus, HSV-1, and HIV virus.

Pubmed Data : Pharmazie. 2006 Aug;61(8):717-21. PMID: 16964717

Article Published Date : Aug 01, 2006

Authors : K Sookkongwaree, M Geitmann, S Roengsumran, A Petsom, U H Danielson

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cytomegalovirus Infections : CK(123) : AC(47), HIV Infections : CK(1055) : AC(347), HSV-1 : CK(54) : AC(45)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingiberaceae species (e.g. ginger) contain compounds that inhibit Epstein-Barr virus activiation.

Pubmed Data : Br J Cancer. 1999 Apr;80(1-2):110-6. PMID: 10389986

Article Published Date : Apr 01, 1999

Authors : S Vimala, A W Norhanom, M Yadav

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Epstein-Barr Virus Infections : CK(176) : AC(63)
Pharmacological Actions : Antiviral Agents : CK(1957) : AC(1034)

Apoptotic (AC 31) (CK 38)

10-gingerol-loaded nanoemulsion and its biological effects on triple-

negative breast cancer cells.

Pubmed Data : AAPS PharmSciTech. 2021 May 18 ;22(5):157. Epub 2021 May 18. PMID: 34008089

Article Published Date : May 17, 2021

Authors : Ideli Zanesco-Fontes, Ana Carolina Lopes Silva, Patrícia Bento da Silva, Jonatas Lobato Duarte, Leonardo Delello Di Filippo, Marlus Chorilli, Marcia Regina Cominetti, Ana Carolina Baptista Moreno Martin

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

6-Dehydrogingerdione, an active constituent of dietary ginger, induces cell cycle arrest and programmed cell death in human breast cancer cells.

Pubmed Data : Mol Nutr Food Res. 2010 Feb 19. Epub 2010 Feb 19. PMID: 20175081

Article Published Date : Feb 19, 2010

Authors : Ya-Ling Hsu, Chung-Yi Chen, Ming-Feng Hou, Eing-Mei Tsai, Yuh-Jyh Jong, Chih-Hsing Hung, Po-Lin Kuo

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

6-gingerol induces caspase-dependent apoptosis in bladder cancer cells.

Pubmed Data : Int J Med Sci. 2022 ;19(7):1093-1102. Epub 2022 Jun 21. PMID: 35919815

Article Published Date : Dec 31, 2021

Authors : Na Ri Choi, Woo-Gyun Choi, Min Ji Kwon, Joo Han Woo, Byung Joo Kim

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bladder Cancer : CK(632) : AC(247)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

8-paradol from ginger exacerbates PINK1/Parkin mediated mitophagy to induce apoptosis in human gastric adenocarcinoma.

Pubmed Data : Pharmacol Res. 2022 Dec 12 ;187:106610. Epub 2022 Dec 12. PMID: 36521573

Article Published Date : Dec 11, 2022

Authors : Rongbo Wang, Yeong-Geun Lee, Sanjeevram Dhandapani, Nam-In Baek, Kwang-Pyo Kim, Yeong-Eun Cho, Xingyue Xu, Yeon-Ju Kim

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastric Cancer : CK(1165) : AC(504)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

A compound from ginger, 6]-gingerol, may be an effective agent in the treatment of skin cancer.

Pubmed Data : Chem Biol Interact. 2009 Sep 14;181(1):77-84. Epub 2009 May 27. PMID: 19481070

Article Published Date : Sep 14, 2009

Authors : Nidhi Nigam, Kulpreet Bhui, Sahdeo Prasad, Jasmine George, Yogeshwer Shukla

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Skin Cancer: Squamous Cell : CK(58) : AC(22)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: 23717767

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Inflammation : CK(9572) : AC(3089), Liver Disease: Oxidative Stress : CK(12) : AC(6), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antioxidants : CK(21528) : AC(8856), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Gastrointestinal Agents : CK(3145) : AC(843)

A review of the protective and therapeutic potential of ginger extract and 6-gingerol in cancer.

Pubmed Data : Phytother Res. 2018 Jul 16. Epub 2018 Jul 16. PMID: 30009484

Article Published Date : Jul 15, 2018

Authors : Rosália Maria Tôrres de Lima, Antonielly Campinho Dos Reis, Ag-Anne Pereira Melo de Menezes, José Victor de Oliveira Santos, José Williams Gomes de Oliveira Filho, José Roberto de Oliveira Ferreira, Marcus Vinícius Oliveira Barros de Alencar, Ana Maria Oliveira Ferreira da Mata, Ishaq N Khan, Amirul Islam, Shaikh Jamal Uddin, Eunüs S Ali, Muhammad Torequl Islam, Swati Tripathi, Siddhartha Kumar Mishra, Mohammad S Mubarak, Ana Amélia de Carvalho Melo-Cavalcante

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

Alzheimer's disease drug discovery from herbs: neuroprotectivity from beta-amyloid (1-42) insult.

Pubmed Data : J Altern Complement Med. 2007 Apr ;13(3):333-40. PMID: 17480132

Article Published Date : Mar 31, 2007

Authors : Darrick S H L Kim, Jin-Yung Kim, Ye Sun Han

Study Type : In Vitro Study
Additional Links
Substances : Chinese Skullcap : CK(143) : AC(75), Ginger : CK(1514) : AC(444), Ginkgo biloba : CK(1071) : AC(269)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Anti-cancer effects of traditional medicinal herbs on oral squamous cell

carcinoma.

Pubmed Data : Asian Pac J Cancer Prev. 2020 Feb 1 ;21(2):479-484. Epub 2020 Feb 1. PMID: 32102527

Article Published Date : Jan 31, 2020

Authors : Ali Dehghani Nazhvani, Najmeh Sarafraz, Fatemeh Askari, Fahimeh Heidari, Mahboobeh Razmkhah

Study Type : In Vitro Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189)
Diseases : Oral Cancer : CK(510) : AC(245), Squamous cell carcinoma : CK(427) : AC(218)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Autophagy Up-regulation : CK(518) : AC(349)

Anticancer efficacy of 6-gingerol with paclitaxel against wild type of human breast adenocarcinoma.

Pubmed Data : Molecules. 2022 Apr 22 ;27(9). Epub 2022 Apr 22. PMID: 35566044

Article Published Date : Apr 21, 2022

Authors : Kamila Wala, Wojciech Szlasa, Natalia Sauer, Paulina Kasperkiewicz-Wasilewska, Anna Szewczyk, Jolanta Saczko, Nina Rembiałkowska, Julita Kulbacka, Dagmara Baczyńska

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)
Additional Keywords : Chemothapeutic Synergy: Paclitaxel : CK(109) : AC(85)

Combined Zingiber officinale and Terminalia chebula induces apoptosis and modulates mTOR and hTERT gene expressions in MCF-7 cell line.

Pubmed Data : Nutr Cancer. 2020 Jul 14:1-10. Epub 2020 Jul 14. PMID: 32664754

Article Published Date : Jul 13, 2020

Authors : Jayasindu Mathiyazhagan, Gothandam Kodiveri Muthukaliannan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

Curcuma rhizome, a main representant of Zingiberaceae family may be a promising natural source for active compounds against malignant melanoma.

Pubmed Data : Biol Res. 2015 Jan 12 ;48(1):1. Epub 2015 Jan 12. PMID: 25654588

Article Published Date : Jan 11, 2015

Authors : Corina Danciu, Lavinia Vlaia, Florinela Fetea, Monica Hancianu, Dorina E Coricovac, Sorina A Ciurlea, Codruţa M Şoica, Iosif Marincu, Vicentiu Vlaia, Cristina A Dehelean, Cristina Trandafirescu

Study Type : In Vitro Study
Additional Links
Substances : , Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Malignant Melanoma : CK(87) : AC(38)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils.

Pubmed Data : Biomed Pharmacother. 2018 Oct ;106:946-955. Epub 2018 Jul 12. PMID: **30119267**

Article Published Date : Sep 30, 2018

Authors : Waad A Al-Otaibi, Mayson H Alkhatib, Abdulwahab Noor Wali

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Cervical Cancer : CK(756) : AC(422)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemosensitizer : CK(1124) : AC(854)
Additional Keywords : Chemotherapeutic Synergy: Mitomycin C : CK(7) : AC(6), Essential Oils : CK(736) : AC(311)

Ginger has significant anti-breast cancer properties.

Pubmed Data : J Biomed Biotechnol. 2012 ;2012:614356. Epub 2012 Aug 26. PMID: **22969274**

Article Published Date : Dec 31, 2011

Authors : Ayman I Elkady, Osama A Abuzinadah, Nabih A Baeshen, Tarek R Rahmy

Study Type : Insect Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bax/Bcl2 Ratio: Decrease : CK(29) : AC(18), Bcl-2 protein down-regulation : CK(553) : AC(407)

Ginger polysaccharides induced cell cycle arrest and apoptosis in human hepatocellular carcinoma HepG2 cells.

Pubmed Data : Int J Biol Macromol. 2018 Nov 8 ;123:81-90. Epub 2018 Nov 8. PMID: **30414900**

Article Published Date : Nov 07, 2018

Authors : Yun Wang, Shengxuan Wang, Rongzhen Song, Jingjing Cai, Jingjing Xu, Xiaozhen Tang, Ningyang Li

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)
Additional Keywords : Polysaccharides : CK(625) : AC(392)

Ginger: A novel strategy to battle cancer through modulating cell signalling pathways.

Pubmed Data : Curr Pharm Biotechnol. 2019 Jan 19. Epub 2019 Jan 19. PMID: **30659535**

Article Published Date : Jan 18, 2019

Authors : Ahmad Almatroudi, Mohammed A Alsahli, Faris Alrumaihi, Khaled S Allemailem, Arshad Husain Rahmani

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Angiogenesis Inhibitors : CK(488) : AC(296), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

Gingerol is a sensitizing agent which induces cell death of TRAIL resistant glioblastoma cells.

Pubmed Data : Toxicol Appl Pharmacol. 2014 Sep 15 ;279(3):253-65. Epub 2014 Jul 14. PMID: **25034532**

Article Published Date : Sep 14, 2014

Authors : Dae-Hee Lee, Dong-Wook Kim, Chang-Hwa Jung, Yong J Lee, Daeho Park

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Glioblastoma : CK(545) : AC(272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), TRAIL sensitizer : CK(3) : AC(2)
Additional Keywords : Apoptosis Regulatory Proteins : CK(1) : AC(1)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: **25838819**

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590), Gastrointestinal Cancer : CK(71) : AC(25)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Significant Treatment Outcome : CK(3903) : AC(462)

In vivo and in vitro studies have established that phenolic components of ginger induce apoptosis and autophagy and inhibit metastasis.

Pubmed Data : Curr Pharm Des. 2016 Jun 8. Epub 2016 Jun 8. PMID: **27290916**

Article Published Date : Jun 07, 2016

Authors : Indu Pal Kaur, Parneet Kaur Deol, Kanthi Kiran, Mahendra Bishnoi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancer Metastasis : CK(798) : AC(431), Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Apoptotic : CK(6986) : AC(5304), Autophagy Inhibitors : CK(175) : AC(115)

Kampo preparation Daikenchuto could be useful for cancer therapy.

Pubmed Data : J Nat Med. 2016 Apr 8. Epub 2016 Apr 8. PMID: **27059786**

Article Published Date : Apr 07, 2016

Authors : Takuya Nagata, Kazufumi Toume, Lv Xiao Long, Katsuhisa Hirano, Toru Watanabe, Shinichi Sekine, Tomoyuki Okumura, Katsuko Komatsu, Kazuhiro Tsukada

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginseng : CK(2684) : AC(1192)
Diseases : Breast Cancer : CK(6327) : AC(2272), Colon Cancer : CK(1493) : AC(954), Esophageal Cancer : CK(805) : AC(190), Gastric Cancer : CK(1165) : AC(504)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: **25939344**

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Rhabdomyosarcoma : CK(8) : AC(5)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance/Drug Synergy : CK(957) : AC(485), Significant Treatment Outcome : CK(3903) : AC(462)

Metabolites of [6]-shogoal can account for the bioactivity of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: 23382939

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Colon Cancer : CK(1493) : AC(954), Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Metabolites : CK(64) : AC(20)

The combination of Gelam honey and ginger may serve as a potential therapy in the treatment of colorectal cancer.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(15):6549-56. PMID: 26434873

Article Published Date : Dec 31, 2014

Authors : Lee Heng Wee, Noor Azian Morad, Goon Jo Aan, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Wnt/β-catenin signaling pathway modulation : CK(208) : AC(149)
Additional Keywords : Dose Response : CK(1712) : AC(683), Gene Expression Regulation : CK(1141) : AC(501), Plant Extracts : CK(14140) : AC(5210)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: 25889965

Article Published Date : Dec 31, 2014

Authors : Analhuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Colon Cancer : CK(1493) : AC(954), Colorectal Cancer : CK(3666) : AC(1651), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance Synergy : CK(1094) : AC(506)

These results indicate that Zingiberene may inhibit the growth of colon cancer in vitro and in vivo.

Pubmed Data : J BUON. 2019 Jul-Aug;24(4):1470-1475. PMID: **31646793**

Article Published Date : Jun 30, 2019

Authors : Hai Chen, Xiaocheng Tang, Ting Liu, Liang Jing, Junhui Wu

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

These results indicated that the effective components of Pinelliae extract for Purging Stomach-Fire in gastric cancer treatment were pinelliae and dried ginger.

Pubmed Data : Am J Transl Res. 2016 ;8(7):2937-46. Epub 2016 Jul 15. PMID: **27508014**

Article Published Date : Dec 31, 2015

Authors : Xi-Ping Liu, Hai-Xia Ming, Pei-Qing Li

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Pinellia : CK(3) : AC(2)
Diseases : Gastric Cancer : CK(1165) : AC(504)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)

This study showed the functions of shogaol as a sensitizing agent to induce cell death of TRAIL-resistant colon cancer cells.

Pubmed Data : Tumour Biol. 2015 Jun 11. Epub 2015 Jun 11. PMID: **26063410**

Article Published Date : Jun 10, 2015

Authors : Jung Soon Hwang, Hai-Chon Lee, Sang Cheul Oh, Dae-Hee Lee, Ki Han Kwon

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), Chemosensitizer : CK(1124) : AC(854), Survivin Down-Regulation : CK(15) : AC(13)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Turmeric and ginger essential oils could induce apoptosis in cervical cancer cells.

Pubmed Data : ScientificWorldJournal. 2016 ;2016:9273078. Epub 2016 Nov 30. PMID: **28042599**

Article Published Date : Dec 31, 2015

Authors : P A S R Santos, G B Avanço, S B Nerilo, R I A Marcelino, V Janeiro, M C Valadares, Miguel Machinski

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cervical Cancer : CK(756) : AC(422)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Whole ginger extract reduces prostate tumor size by 56% in mice.

Pubmed Data : Br J Nutr. 2011 Aug 18:1-12. Epub 2011 Aug 18. PMID: **21849094**

Article Published Date : Aug 18, 2011

Authors : Prasanthi Karna, Sharmeen Chagani, Sushma R Gundala, Padmashree C G Rida, Ghazia Asif, Vibhuti Sharma, Meenakshi V Gupta, Ritu Aneja

Study Type : Transgenic Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Prostate Cancer : CK(2407) : AC(834)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)

Zerumbone was able to induce apoptosis of pancreatic carcinoma cell lines

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:936030. Epub 2012 Jan 29. PMID: 22454691

Article Published Date : Jan 01, 2012

Authors : Songyan Zhang, Qiaojing Liu, Yanju Liu, Hong Qiao, Yu Liu

Study Type : Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zerumbone : CK(95) : AC(63)
Diseases : Pancreatic Cancer : CK(1307) : AC(451)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Caspase-3 Activation : CK(137) : AC(90), P21 Activation : CK(160) : AC(119), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Zerumbone : CK(5) : AC(1)

Zingerone induced caspase-dependent apoptosis in MCF-7 cells and prevents 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis.

Pubmed Data : J Biochem Mol Toxicol. 2019 Sep 2:e22387. Epub 2019 Sep 2. PMID: 31476248

Article Published Date : Sep 01, 2019

Authors : Hongyun Gan, Yaqing Zhang, Qingyun Zhou, Lierui Zheng, Xiaofeng Xie, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Breast Cancer: Chemically-Induced : CK(54) : AC(31)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)

Autophagy Inhibitors (AC 1) (CK 1)

In vivo and in vitro studies have established that phenolic components of ginger induce apoptosis and autophagy and inhibit metastasis.

Pubmed Data : Curr Pharm Des. 2016 Jun 8. Epub 2016 Jun 8. PMID: 27290916

Article Published Date : Jun 07, 2016

Authors : Indu Pal Kaur, Parneet Kaur Deol, Kanthi Kiran, Mahendra Bishnoi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancer Metastasis : CK(798) : AC(431), Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Apoptotic : CK(6986) : AC(5304), Autophagy Inhibitors : CK(175) : AC(115)

Autophagy Up-regulation (AC 2) (CK 3)

Anti-cancer effects of traditional medicinal herbs on oral squamous cell carcinoma.

Pubmed Data : Asian Pac J Cancer Prev. 2020 Feb 1 ;21(2):479-484. Epub 2020 Feb 1. PMID: 32102527

Article Published Date : Jan 31, 2020

Authors : Ali Dehghani Nazhvani, Najmeh Sarafraz, Fatemeh Askari, Fahimeh Heidari, Mahboobeh Razmkhah

Study Type : In Vitro Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444), Saffron : CK(864) : AC(189)
Diseases : Oral Cancer : CK(510) : AC(245), Squamous cell carcinoma : CK(427) : AC(218)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Autophagy Up-regulation : CK(518) : AC(349)

Ginger extract inhibited cell proliferation and subsequently induced the autotic death of pancreatic cancer Panc-1 cells.

Pubmed Data : PLoS One. 2015 ;10(5):e0126605. Epub 2015 May 11. PMID: 25961833

Article Published Date : Dec 31, 2014

Authors : Miho Akimoto, Mari Iizuka, Rie Kanematsu, Masato Yoshida, Keizo Takenaga

Study Type : Animal Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Pancreatic Cancer : CK(1307) : AC(451)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Autophagy Up-regulation : CK(518) : AC(349)

Bax/Bcl2 Ratio: Decrease (AC 1) (CK 2)

Ginger has significant anti-breast cancer properties.

Pubmed Data : J Biomed Biotechnol. 2012 ;2012:614356. Epub 2012 Aug 26. PMID: 22969274

Article Published Date : Dec 31, 2011

Authors : Ayman I Elkady, Osama A Abuzinadah, Nabih A Baeshen, Tarek R Rahmy

Study Type : Insect Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bax/Bcl2 Ratio: Decrease : CK(29) : AC(18), Bcl-2 protein down-regulation : CK(553) : AC(407)

Bcl-2 protein down-regulation (AC 5) (CK 7)

Ginger has significant anti-breast cancer properties.

Pubmed Data : J Biomed Biotechnol. 2012 ;2012:614356. Epub 2012 Aug 26. PMID: 22969274

Article Published Date : Dec 31, 2011

Authors : Ayman I Elkady, Osama A Abuzinadah, Nabih A Baeshen, Tarek R Rahmy

Study Type : Insect Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bax/Bcl2 Ratio: Decrease : CK(29) : AC(18), Bcl-2 protein down-regulation : CK(553) : AC(407)

Gingerol is a sensitizing agent which induces cell death of TRAIL resistant glioblastoma cells.

Pubmed Data : Toxicol Appl Pharmacol. 2014 Sep 15 ;279(3):253-65. Epub 2014 Jul 14. PMID: 25034532

Article Published Date : Sep 14, 2014

Authors : Dae-Hee Lee, Dong-Wook Kim, Chang-Hwa Jung, Yong J Lee, Daeho Park

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Glioblastoma : CK(545) : AC(272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), TRAIL sensitizer : CK(3) : AC(2)
Additional Keywords : Apoptosis Regulatory Proteins : CK(1) : AC(1)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: 25939344

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Rhabdomyosarcoma : CK(8) : AC(5)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance/Drug Synergy : CK(957) : AC(485), Significant Treatment Outcome : CK(3903) : AC(462)

This study showed the functions of shogaol as a sensitizing agent to induce cell death of TRAIL-resistant colon cancer cells.

Pubmed Data : Tumour Biol. 2015 Jun 11. Epub 2015 Jun 11. PMID: 26063410

Article Published Date : Jun 10, 2015

Authors : Jung Soon Hwang, Hai-Chon Lee, Sang Cheul Oh, Dae-Hee Lee, Ki Han Kwon

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)

Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), Chemosensitizer : CK(1124) : AC(854), Survivin Down-Regulation : CK(15) : AC(13)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: **28442378**

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Alcoholic Liver Disease : CK(389) : AC(168), DNA damage : CK(1997) : AC(713)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Bcl-2 protein down-regulation : CK(553) : AC(407), Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)

Calcium Channel Blockers (AC 1) (CK 2)

Ginger lowers blood pressure through blockade of voltage-dependent calcium channels.

Pubmed Data : J Cardiovasc Pharmacol. 2005 Jan;45(1):74-80. PMID: **15613983**

Article Published Date : Jan 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Hypertension : CK(6384) : AC(950)
Pharmacological Actions : Antihypertensive Agents : CK(4527) : AC(683), Calcium Channel Blockers : CK(98) : AC(29)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Cardioprotective (AC 13) (CK 25)

6-gingerol alleviates ferroptosis and inflammation of diabetic cardiomyopathy.

Pubmed Data : Oxid Med Cell Longev. 2022 ;2022:3027514. Epub 2022 Dec 31. PMID: **36624878**

Article Published Date : Dec 31, 2021

Authors : Shenglin Wu, Jinxiu Zhu, Guihai Wu, Zuoqi Hu, Pengxiang Ying, Zhijun Bao, Zipeng Ding, Xuerui Tan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetes: Cardiovascular Illness : CK(707) : AC(111)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Heme oxygenase-1 up-regulation : CK(624) : AC(373), Nrf2 activation : CK(1584) : AC(916)

6-shogaol from dried ginger protects against intestinal ischemia/reperfusion.

Pubmed Data : Mol Nutr Food Res. 2023 Jul ;67(13):e2200773. Epub 2023 May 14. PMID: **37118920**

Article Published Date : Jun 30, 2023

Authors : Bin Li, Yunxiang Wang, Xin Yuan, Guanting Liu, Yunpeng Diao, Jing Liu

Study Type : Animal Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Myocardial Ischemia : CK(528) : AC(256)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Cardioprotective : CK(5377) : AC(1675)

Cardiac delayed repolarisation and atrioventricular conduction in rats with diabetes were halted by zingerone.

Pubmed Data : PLoS One. 2017 ;12(12):e0189074. Epub 2017 Dec 5. PMID: **29206854**

Article Published Date : Dec 31, 2016

Authors : Hany M El-Bassossy, Wafaa S Al-Thubiani, Ahmed A Elberry, Mohammad I Mujallid, Salah A Ghareib, Ahmad S Azhar, Zainy M Banjar, Malcolm L Watson

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675)

Cardioprotective effect of zingerone against oxidative stress, inflammation, and apoptosis induced by cisplatin or gamma radiation.

Pubmed Data : Naunyn Schmiedebergs Arch Pharmacol. 2018 May 7. Epub 2018 May 7. PMID: **29736620**

Article Published Date : May 06, 2018

Authors : Ahmed F Soliman, Lobna M Anees, Doaa M Ibrahim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906), Radioprotective : CK(1668) : AC(521)

Ginger could protect alcohol-induced myocardial damage by suppression of hyperlipidemia and cardiac biomarkers.

Pubmed Data : Pharmacogn Mag. 2017 Jan ;13(Suppl 1):S69-S75. Epub 2017 Apr 7. PMID: **28479729**

Article Published Date : Dec 31, 2016

Authors : Ganjikunta Venkata Subbaiah, Korivi Mallikarjuna, Bhasha Shanmugam, Sahukari Ravi, Patan Usnan Taj, Kesireddy Sathyavelu Reddy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger extract protects the heart against inflammation and fibrosis in diabetes.

Pubmed Data : Can J Diabetes. 2020 Sep 2. Epub 2020 Sep 2. PMID: 33162372

Article Published Date : Sep 01, 2020

Authors : Tara Abdi, Maryam Mahmoudabady, Hadi Zare Marzouni, Saeed Niazmand, Majid Khazaei

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetic Complications : CK(3199) : AC(1009), Myocardial Fibrosis : CK(140) : AC(64)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Health benefits of spices in individuals with chemotherapeutic drug-induced cardiotoxicity.

Pubmed Data : Curr Opin Pharmacol. 2022 Apr ;63:102187. Epub 2022 Mar 1. PMID: 35245798

Article Published Date : Mar 31, 2022

Authors : Jia Liu, Qing Zhang, Ting Tao, Ling-Yu Wang, Jia-Yi Sun, Chun-Jie Wu, Wen-Jun Zou

Study Type : Review
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Cardamom : CK(42) : AC(11), Clove : CK(177) : AC(99), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Onion : CK(420) : AC(124)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906)

Phytonutrient supplements and metabolic biomarkers of cardiovascular disease.

Pubmed Data : Phytother Res. 2021 Mar 16. Epub 2021 Mar 16. PMID: 33724587

Article Published Date : Mar 15, 2021

Authors : Tung Hoang, Jeongseon Kim

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Hibiscus sabdariffa : CK(307) : AC(87)
Diseases : Cardiovascular Diseases : CK(12780) : AC(1983)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675)

Pretreatment with zingerone prevented hyperlipidaemia and cardiac hypertrophy.

Pubmed Data : J Biochem Mol Toxicol. 2015 Apr ;29(4):182-8. Epub 2015 Jan 5. PMID: 25558849

Article Published Date : Mar 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Cardiac Hypertrophy : CK(152) : AC(84), Hyperlipidemia : CK(1569) : AC(402), Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675)

Protective mechanisms of 10-gingerol against myocardial ischemia.

Pubmed Data : Biomed Pharmacother. 2022 Jul ;151:113082. Epub 2022 May 12. PMID: 35569350

Article Published Date : Jun 30, 2022

Authors : Xue Han, Jiaying Qi, Yakun Yang, Bin Zheng, Miaomiao Liu, Yu Liu, Li Li, Shengjiang Guan, Qingzhong Jia, Li Chu

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Myocardial Ischemia : CK(528) : AC(256)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Cardioprotective : CK(5377) : AC(1675)

Zingerone prevented cardiomyocyte apoptosis, by virtue of its antioxidant and anti-apoptotic properties.

Pubmed Data : Eur J Pharmacol. 2018 Feb 15 ;821:105-111. Epub 2017 Oct 2. PMID: **28982542**

Article Published Date : Feb 14, 2018

Authors : Ponnian Stanely Mainzen Prince, Kunchupillai Lakhsmanan Hemalatha

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675)
Problem Substances : Isoproterenol : CK(65) : AC(35)

Zingerone protected the rat's heart against isoproterenol-induced myocardial infarction.

Pubmed Data : J Biochem Mol Toxicol. 2015 Feb ;29(2):63-9. Epub 2014 Sep 30. PMID: **25271244**

Article Published Date : Jan 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Lipid Peroxidation : CK(1632) : AC(631), Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675)
Problem Substances : Isoproterenol : CK(65) : AC(35)

Zingiber officinale Roscoe ameliorates anticancer antibiotic doxorubicin-induced acute cardiotoxicity.

Pubmed Data : J Exp Ther Oncol. 2016 Jul ;11(3):171-175. PMID: **28471121**

Article Published Date : Jun 30, 2016

Authors : Thekkuttuparambil Ananthanarayanan Ajith, Unnikrishnan Hema, Sreedharan Aswathi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Doxorubicin : CK(457) : AC(236)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906)
Additional Keywords : Chemoprotective Agents : CK(2322) : AC(906), Chemoprotective Agents : CK(2322) : AC(906), Chemoprotective Agents : CK(2322) : AC(906), Chemoprotective Agents : CK(2322) : AC(906)

Caspase-3 Activation (AC 1) (CK 5)

Zerumbone was able to induce apoptosis of pancreatic carcinoma cell lines

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:936030. Epub 2012 Jan 29. PMID: 22454691

Article Published Date : Jan 01, 2012

Authors : Songyan Zhang, Qiaojing Liu, Yanju Liu, Hong Qiao, Yu Liu

Study Type : Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zerumbone : CK(95) : AC(63)
Diseases : Pancreatic Cancer : CK(1307) : AC(451)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Caspase-3 Activation : CK(137) : AC(90), P21 Activation : CK(160) : AC(119), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Zerumbone : CK(5) : AC(1)

Cell cycle arrest (AC 4) (CK 5)

A compound from ginger, 6]-gingerol, may be an effective agent in the treatment of skin cancer.

Pubmed Data : Chem Biol Interact. 2009 Sep 14;181(1):77-84. Epub 2009 May 27. PMID: 19481070

Article Published Date : Sep 14, 2009

Authors : Nidhi Nigam, Kulpreet Bhui, Sahdeo Prasad, Jasmine George, Yogeshwer Shukla

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Skin Cancer: Squamous Cell : CK(58) : AC(22)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)

Ginger polysaccharides induced cell cycle arrest and apoptosis in human hepatocellular carcinoma HepG2 cells.

Pubmed Data : Int J Biol Macromol. 2018 Nov 8 ;123:81-90. Epub 2018 Nov 8. PMID: 30414900

Article Published Date : Nov 07, 2018

Authors : Yun Wang, Shengxuan Wang, Rongzhen Song, Jingjing Cai, Jingjing Xu, Xiaozhen Tang, Ningyang Li

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)
Additional Keywords : Polysaccharides : CK(625) : AC(392)

Hexahydrocurcumin has a cytotoxic effect against human colorectal cancer cells.

Pubmed Data : Nat Prod Commun. 2011 Nov ;6(11):1671-2. PMID: 22224285

Article Published Date : Nov 01, 2011

Authors : Chung-Yi Chen, Woei-Ling Yang, Soong-Yu Kuo

Study Type : In Vitro Study
Additional Links
Substances : Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Cell cycle arrest : CK(1678) : AC(1348)

Whole ginger extract reduces prostate tumor size by 56% in mice.

Pubmed Data : Br J Nutr. 2011 Aug 18:1-12. Epub 2011 Aug 18. PMID: 21849094

Article Published Date : Aug 18, 2011

Authors : Prasanthi Karna, Sharmeen Chagani, Sushma R Gundala, Padmashree C G Rida, Ghazia Asif, Vibhuti Sharma, Meenakshi V Gupta, Ritu Aneja

Study Type : Transgenic Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Prostate Cancer : CK(2407) : AC(834)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Cell cycle arrest : CK(1678) : AC(1348)

Chemopreventive (AC 14) (CK 18)

"Ginger ingredients inhibit the development of diethylnitrosoamine induced premalignant phenotype in rat chemical hepatocarcinogenesis model."

Pubmed Data : Biofactors. 2010 Nov-Dec;36(6):483-90. Epub 2010 Sep 24. PMID: 20872761

Article Published Date : Nov 01, 2010

Authors : Mahmoud A Mansour, Saleh A Bekheet, Salim S Al-Rejaie, Othman A Al-Shabanah, Tawfeq A Al-Howiriny, Ammar C Al-Rikabi, Ayman A Abdo

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer: Prevention : CK(207) : AC(41)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Evaluation of antineoplasic activity of Zingiber officinale essential oil in the colorectal region.

Pubmed Data : Asian Pac J Cancer Prev. 2020 Jul 1 ;21(7):2141-2147. Epub 2020 Jul 1. PMID: 32711443

Article Published Date : Jun 30, 2020

Authors : Daniel Augusto Nunes De Lima, Brenda Barroso Pelegrini, Felipe Alexandre Alves Uechi, Raíssa Coracini Varago, Bruno Bueno Pimenta, Alice Maria De Souza Kaneshima, Edilson Nobuyoshi Kaneshima, Paola Da Costa Souza, Raíssa Bocchi Pedroso, Thaís Gomes Verzignassi Silveira, Tânia Cristina Alexandrino Becker

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Essential Oils : CK(736) : AC(311)

Ginger (Zingiber officinale) prevents ethionine induced rat hepatocarcinogenesis.

Pubmed Data : Afr J Tradit Complement Altern Med. 2008 ;6(1):87-93. Epub 2008 Oct 25. PMID: 20162046

Article Published Date : Jan 01, 2008

Authors : Yasmin Anum Mohd Yusof, Norliza Ahmad, Srijit Das, Suhaniza Sulaiman, Nor Azian Murad

Study Type : Animal Study

Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer: Prevention : CK(207) : AC(41)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: **25838819**

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590), Gastrointestinal Cancer : CK(71) : AC(25)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Significant Treatment Outcome : CK(3903) : AC(462)

Mechanisms of chemopreventive and therapeutic proprieties of ginger extracts in cancer.

Pubmed Data : Int J Mol Sci. 2021 Jun 20 ;22(12). Epub 2021 Jun 20. PMID: **34202966**

Article Published Date : Jun 19, 2021

Authors : Mariia Zadorozhna, Domenica Mangieri

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Angiogenesis Inhibitors : CK(488) : AC(296), Antiproliferative : CK(6801) : AC(5032), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)

Metabolites of [6]-shogoal can account for the bioactivity of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: **23382939**

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Colon Cancer : CK(1493) : AC(954), Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Metabolites : CK(64) : AC(20)

Nutritional implications of ginger: chemistry, biological activities and signaling pathways.

Pubmed Data : J Nutr Biochem. 2020 Aug 19 ;86:108486. Epub 2020 Aug 19. PMID: **32827666**

Article Published Date : Aug 18, 2020

Authors : Ryoiti Kiyama

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Endometriosis : CK(301) : AC(80), Menopausal Syndrome : CK(633) : AC(93), Osteoporosis : CK(2025) : AC(512), Polycystic Ovary Syndrome : CK(1093) : AC(163), Prostatic Hyperplasia : CK(22) : AC(3)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717), Neuroprotective Agents : CK(10404) : AC(4396), Osteoprotective : CK(971) : AC(351)

Preventive effect of combined Zingiber officinale and Terminalia chebula against DMBA-induced breast cancer rats via mTOR inhibition.

Pubmed Data : Nutr Cancer. 2021 Apr 6:1-10. Epub 2021 Apr 6. PMID: **33821702**

Article Published Date : Apr 05, 2021

Authors : Jayasindu Mathiyazhagan, Ramamoorthy Siva, Rama Jayaraj, Harishkumar Madhyastha, Gothandam Kodiveri Muthukaliannan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Terminalia : CK(27) : AC(18)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717)

The combination of Gelam honey and ginger may serve as a potential therapy in the treatment of colorectal cancer.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(15):6549-56. PMID: **26434873**

Article Published Date : Dec 31, 2014

Authors : Lee Heng Wee, Noor Azian Morad, Goon Jo Aan, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Wnt/β-catenin signaling pathway modulation : CK(208) : AC(149)
Additional Keywords : Dose Response : CK(1712) : AC(683), Gene Expression Regulation : CK(1141) : AC(501), Plant Extracts : CK(14140) : AC(5210)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: **25889965**

Article Published Date : Dec 31, 2014

Authors : Analhuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Colon Cancer : CK(1493) : AC(954), Colorectal Cancer : CK(3666) : AC(1651), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance Synergy : CK(1094) : AC(506)

The content of 6-shogaol is very low in fresh ginger, but significantly higher after steaming.

Pubmed Data : Am J Chin Med. 2015 Oct 18:1-13. Epub 2015 Oct 18. PMID: 26477795

Article Published Date : Oct 17, 2015

Authors : Chong-Zhi Wang, Lian-Wen Qi, Chun-Su Yuan

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717)

This reviews the potential prevention and treatment activities of dietary natural products and their major bioactive constituents on liver cancer.

Pubmed Data : Nutrients. 2016 ;8(3). Epub 2016 Mar 10. PMID: 26978396

Article Published Date : Dec 31, 2015

Authors : Yue Zhou, Ya Li, Tong Zhou, Jie Zheng, Sha Li, Hua-Bin Li

Study Type : Review
Additional Links
Substances : Asparagus : CK(53) : AC(30), Beans: All : CK(151) : AC(38), Black Currant : CK(434) : AC(92), Cruciferous Vegetables : CK(1820) : AC(650), Ginger : CK(1514) : AC(444), Grape : CK(4560) : AC(1322), Plum : CK(98) : AC(33), Pomegranate : CK(1222) : AC(405), Rice Bran : CK(259) : AC(77), Tomato : CK(1225) : AC(303), Turmeric : CK(7078) : AC(3169)
Diseases : Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Chemopreventive : CK(5374) : AC(1717), Immunomodulatory : CK(4048) : AC(1475)
Additional Keywords : Natural Substance/Drug Synergy : CK(957) : AC(485)

Zingerone could be considered as a good chemopreventive agent in experimental model of colon carcinogenesis.

Pubmed Data : Environ Toxicol. 2019 May ;34(5):610-625. Epub 2019 Feb 5. PMID: 30720227

Article Published Date : Apr 30, 2019

Authors : Majid Ahmad Ganaie, Abdulaziz Al Saeedan, Hassan Madhkali, Basit Lateef Jan, Tanvir Khatlani, Ishfaq Ahmad Sheikh, Muneeb U Rehman, Khalida Wani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Chemopreventive : CK(5374) : AC(1717)

Zingerone induced caspase-dependent apoptosis in MCF-7 cells and prevents 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis.

Pubmed Data : J Biochem Mol Toxicol. 2019 Sep 2:e22387. Epub 2019 Sep 2. PMID: 31476248

Article Published Date : Sep 01, 2019

Authors : Hongyun Gan, Yaqing Zhang, Qingyun Zhou, Lierui Zheng, Xiaofeng Xie, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Breast Cancer: Chemically-Induced : CK(54) : AC(31)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717)

Chemoprotective Agents (AC 11) (CK 19)

Ameliorative and protective effects of ginger and its main constituents against natural, chemical and radiation-induced toxicities.

Pubmed Data : Food Chem Toxicol. 2018 Oct 22 ;123:72-97. Epub 2018 Oct 22. PMID: 30352300

Article Published Date : Oct 21, 2018

Authors : Muhammad A Alsherbiny, Wessam H Abd-Elsalam, Shymaa A El Badawy, Ehab Taher, Mohamed Fares, Allan Torres, Dennis Chang, Chun Guang Li

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Chemoprotective Agents : CK(2322) : AC(906), Radioprotective : CK(1668) : AC(521)

Cardioprotective effect of zingerone against oxidative stress, inflammation, and apoptosis induced by cisplatin or gamma radiation.

Pubmed Data : Naunyn Schmiedebergs Arch Pharmacol. 2018 May 7. Epub 2018 May 7. PMID: 29736620

Article Published Date : May 06, 2018

Authors : Ahmed F Soliman, Lobna M Anees, Doaa M Ibrahim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906), Radioprotective : CK(1668) : AC(521)

Combined extracts of pumpkin seed and ginger might be used as a protective agent against cyclophosphamide induced reproductive toxicity.

Pubmed Data : Anat Sci Int. 2016 Sep ;91(4):382-90. Epub 2015 Dec 29. PMID: 26714700

Article Published Date : Aug 31, 2016

Authors : Somaieh Aghaie, Hossein Nikzad, Javad Amini Mahabadi, Mohsen Taghizadeh, Abolfazl Azami-Tameh, Aliakbar Taherian, Seyyed Mohammad Sajjad Sajjadian, Mehran Kamani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Pumpkin Seeds : CK(11) : AC(2)
Diseases : Chemotherapy-Induced Toxicity: Cyclophosphamide : CK(267) : AC(124)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Galangin significantly ameliorated cisplatin induced nephrotoxicity by suppressing MAPK induced inflammation and apoptosis.

Pubmed Data : Phytomedicine. 2017 Oct 15 ;34:154-161. Epub 2017 Jun 15. PMID: 28899498

Article Published Date : Oct 14, 2017

Authors : Ameesha Tomar, Swati Vasisth, Sana Irfan Khan, Salma Malik, Tapas Chandra Nag, Dharamveer Singh Arya, Jagriti Bhatia

Study Type : Animal Study
Additional Links

Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Renoprotective : CK(2404) : AC(1075)

Health benefits of spices in individuals with chemotherapeutic drug-induced cardiotoxicity.

Pubmed Data : Curr Opin Pharmacol. 2022 Apr ;63:102187. Epub 2022 Mar 1. PMID: **35245798**

Article Published Date : Mar 31, 2022

Authors : Jia Liu, Qing Zhang, Ting Tao, Ling-Yu Wang, Jia-Yi Sun, Chun-Jie Wu, Wen-Jun Zou

Study Type : Review
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Cardamom : CK(42) : AC(11), Clove : CK(177) : AC(99), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Onion : CK(420) : AC(124)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906)

Modulatory effect of zingerone against cisplatin or γ-irradiation induced hepatotoxicity by molecular targeting regulation.

Pubmed Data : Appl Radiat Isot. 2019 Sep 10 ;154:108891. Epub 2019 Sep 10. PMID: **31536909**

Article Published Date : Sep 09, 2019

Authors : Hebatallah E Mohamed, Monda M M Badawy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570), Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Hepatoprotective : CK(5098) : AC(2264), Radioprotective : CK(1668) : AC(521)

Protective effects of zingerone on cisplatin-induced nephrotoxicity.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jun 4. Epub 2019 Jun 4. PMID: **31165450**

Article Published Date : Jun 03, 2019

Authors : Fatih Mehmet Kandemir, Serkan Yildirim, Cuneyt Caglayan, Sefa Kucukler, Gizem Eser

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Chemoprotective Agents : CK(2322) : AC(906)

Red ginger extract prevents the development of oxaliplatin-induced neuropathic pain.

Pubmed Data : Biomedicines. 2023 Feb 2 ;11(2). Epub 2023 Feb 2. PMID: **36830967**

Article Published Date : Feb 01, 2023

Authors : Keun-Tae Park, Heejoon Jo, Bonglee Kim, Woojin Kim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Oxaliplatin : CK(119) : AC(25)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: 29587238

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yıldırım, Sefa Kucukler, Mehmet Akif Kılınc, Yavuz Selim Saglam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemoprotective Agents : CK(2322) : AC(906), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone has nephroprotective effects in cisplatin rat model of nephrotoxicity.

Pubmed Data : Biomed Pharmacother. 2018 Sep ;105:225-232. Epub 2018 May 30. PMID: 29857302

Article Published Date : Aug 31, 2018

Authors : Tuba Alibakhshi, Mohammad Javad Khodayar, Layasadat Khorsandi, Mohammad Rashno, Leila Zeidooni

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Renoprotective : CK(2404) : AC(1075)

Zingiber officinale Roscoe ameliorates anticancer antibiotic doxorubicin-induced acute cardiotoxicity.

Pubmed Data : J Exp Ther Oncol. 2016 Jul ;11(3):171-175. PMID: 28471121

Article Published Date : Jun 30, 2016

Authors : Thekkuttuparambil Ananthanarayanan Ajith, Unnikrishnan Hema, Sreedharan Aswathi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Doxorubicin : CK(457) : AC(236)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906)
Additional Keywords : Chemoprotective Agents : CK(2322) : AC(906), Chemoprotective Agents : CK(2322) : AC(906), Chemoprotective Agents : CK(2322) : AC(906), Chemoprotective Agents : CK(2322) : AC(906)

Chemosensitizer (AC 5) (CK 6)

Combining ginger extract and doxorubicin revealed a greater efficacy as anticancer therapeutic regimen.

Pubmed Data : Eur J Nutr. 2017 Feb 22. Epub 2017 Feb 22. PMID: 28229277

Article Published Date : Feb 21, 2017

Authors : Nahla E El-Ashmawy, Naglaa F Khedr, Hoda A El-Bahrawy, Hend E Abo Mansour

Study Type : Animal Study
Additional Links

Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Chemosensitizer : CK(1124) : AC(854), Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Chemotherapeutic Synergy: Doxorubicin : CK(220) : AC(168)

Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils.

Pubmed Data : Biomed Pharmacother. 2018 Oct ;106:946-955. Epub 2018 Jul 12. PMID: **30119267**

Article Published Date : Sep 30, 2018

Authors : Waad A Al-Otaibi, Mayson H Alkhatib, Abdulwahab Noor Wali

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Cervical Cancer : CK(756) : AC(422)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Chemosensitizer : CK(1124) : AC(854)
Additional Keywords : Chemotherapeutic Synergy: Mitomycin C : CK(7) : AC(6), Essential Oils : CK(736) : AC(311)

Fermented ginger extract reduces the NF-kB-mediated activation of CXCR4 and enhances oxaliplatin-induced cytotoxicity in oxaliplatin-resistant CRC cells.

Pubmed Data : Antioxidants (Basel). 2022 Oct 19 ;11(10). Epub 2022 Oct 19. PMID: **36290780**

Article Published Date : Oct 18, 2022

Authors : Ko-Chao Lee, Kuen-Lin Wu, Shun-Fu Chang, Hsin-I Chang, Cheng-Nan Chen, Yih-Yuan Chen

Study Type : In Vitro Study
Additional Links
Substances : Fermented Foods and Beverages : CK(2588) : AC(607), Ginger : CK(1514) : AC(444)
Diseases : Cancers: Drug Resistant : CK(715) : AC(493), Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemosensitizer : CK(1124) : AC(854), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Chemotherapeutic Synergy: Oxaliplatin : CK(12) : AC(9)

Ginger has therapeutic properties relevant to cancer treatment.

Pubmed Data : J BUON. 2011 Jul-Sep;16(3):414-24. PMID: **22006742**

Article Published Date : Jul 01, 2011

Authors : M M Pereira, R Haniadka, P P Chacko, P L Palatty, M S Baliga

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Cancers: Drug Resistant : CK(715) : AC(493)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Chemosensitizer : CK(1124) : AC(854), Radioprotective : CK(1668) : AC(521)

This study showed the functions of shogaol as a sensitizing agent to induce cell death of TRAIL-resistant colon cancer cells.

Pubmed Data : Tumour Biol. 2015 Jun 11. Epub 2015 Jun 11. PMID: **26063410**

Article Published Date : Jun 10, 2015

Authors : Jung Soon Hwang, Hai-Chon Lee, Sang Cheul Oh, Dae-Hee Lee, Ki Han Kwon

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407),

Chemosensitizer : CK(1124) : AC(854), Survivin Down-Regulation : CK(15) : AC(13)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Chemotherapeutic (AC 10) (CK 38)

Combining ginger extract and doxorubicin revealed a greater efficacy as anticancer therapeutic regimen.

Pubmed Data : Eur J Nutr. 2017 Feb 22. Epub 2017 Feb 22. PMID: 28229277
Article Published Date : Feb 21, 2017
Authors : Nahla E El-Ashmawy, Naglaa F Khedr, Hoda A El-Bahrawy, Hend E Abo Mansour
Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Chemosensitizer : CK(1124) : AC(854), Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Chemotherapeutic Synergy: Doxorubicin : CK(220) : AC(168)

Daily supplement of ginger extract started 3 days prior to chemotherapy has been shown to significantly elevate antioxidant activity.

Pubmed Data : Cancer Manag Res. 2017 ;9:11-18. Epub 2017 Jan 31. PMID: 28203106
Article Published Date : Dec 31, 2016
Authors : Kwanjit Danwilai, Jitprapa Konmun, Bung-Orn Sripanidkulchai, Suphat Subongkot
Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Chemotherapeutic : CK(2328) : AC(1086)

Ginger extract has anti-leukemia and anti-drug resistant effects on malignant cells.

Pubmed Data : J Cancer Res Clin Oncol. 2019 Aug ;145(8):1987-1998. Epub 2019 Jun 18. PMID: 31214760
Article Published Date : Jul 31, 2019
Authors : Somayeh Rahimi Babasheikhali, Soheila Rahgozar, Mahboubeh Mohammadi
Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Acute lymphoblastic leukemia (ALL) : CK(193) : AC(72), Cancers: Drug Resistant : CK(715) : AC(493)
Pharmacological Actions : Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger phytochemicals inhibit cell growth and modulate drug resistance factors in docetaxel resistant prostate cancer cells.

Pubmed Data : Molecules. 2017 Sep 5 ;22(9). Epub 2017 Sep 5. PMID: 28872603
Article Published Date : Sep 04, 2017
Authors : Chi-Ming Liu, Chiu-Li Kao, Yu-Ting Tseng, Yi-Ching Lo, Chung-Yi Chen

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: Drug Resistant : CK(715) : AC(493), Prostate Cancer : CK(2407) : AC(834)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Chemotherapeutic : CK(2328) : AC(1086)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: **25838819**

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590), Gastrointestinal Cancer : CK(71) : AC(25)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Anticarcinogenic Agents : CK(1890) : AC(889), Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)
Additional Keywords : Significant Treatment Outcome : CK(3903) : AC(462)

Mechanisms of chemopreventive and therapeutic proprieties of ginger extracts in cancer.

Pubmed Data : Int J Mol Sci. 2021 Jun 20 ;22(12). Epub 2021 Jun 20. PMID: **34202966**

Article Published Date : Jun 19, 2021

Authors : Mariia Zadorozhna, Domenica Mangieri

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Angiogenesis Inhibitors : CK(488) : AC(296), Antiproliferative : CK(6801) : AC(5032), Chemopreventive : CK(5374) : AC(1717), Chemotherapeutic : CK(2328) : AC(1086)

Nausea severity and the number of vomiting episodes were significantly lower in the Ginger intervention group than in the control group.

Pubmed Data : Clin J Oncol Nurs. 2015 Oct 1 ;19(5):E92-E97. PMID: **26414587**

Article Published Date : Sep 30, 2015

Authors : Müzeyyen Arslan, Leyla Ozdemir

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Chemotherapeutic : CK(2328) : AC(1086)

The effect of ginger in patients with advanced cancer.

Pubmed Data : Support Care Cancer. 2019 Nov 19. Epub 2019 Nov 19. PMID: **31745695**

Article Published Date : Nov 18, 2019

Authors : Ravi Bhargava, Martin Chasen, Michael Elten, Neil MacDonald

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)

Diseases : Cachexia: Cancer : CK(125) : AC(41), Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anti-Cachexic Agents : CK(79) : AC(26), Chemotherapeutic : CK(2328) : AC(1086)

This review indicates that ginger possesses multiple properties that could be beneficial in reducing chemotherapy induced nausea and vomiting

Pubmed Data : Crit Rev Food Sci Nutr. 2015 Apr 7:0. Epub 2015 Apr 7. PMID: 25848702

Article Published Date : Apr 06, 2015

Authors : Wolfgang Marx, Karin Ried, Alexandra L McCarthy, Luis Vitetta, Avni Sali, Daniel McKavanagh, Elisabeth Isenring

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemotherapeutic : CK(2328) : AC(1086), Gastrointestinal Agents : CK(3145) : AC(843)

Zerumbone suppresses osteopontin-induced cell invasion in human non-small cell lung cancer A549 cells.

Pubmed Data : J Nat Prod. 2016 Jan 22 ;79(1):156-60. Epub 2015 Dec 17. PMID: 26681550

Article Published Date : Jan 21, 2016

Authors : Chi Gu Kang, Hyo-Jeong Lee, Sung-Hoon Kim, Eun-Ok Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Carcinoma: Non-Small-Cell Lung : CK(264) : AC(161)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Chemotherapeutic : CK(2328) : AC(1086)

Cyclooxygenase 2 Inhibitors (AC 5) (CK 9)

A combination of ginger and peony root may prevent memory impairment in AD by inhibiting Aβ accumulation and inflammation in the brain.

Pubmed Data : J Alzheimers Dis. 2015 Nov 30. Epub 2015 Nov 30. PMID: 26639976

Article Published Date : Nov 29, 2015

Authors : Soonmin Lim, Jin Gyu Choi, Minho Moon, Hyo Geun Kim, Wonil Lee, Hyoung-Rok Bak, Hachang Sung, Chi Hye Park, Sun Yeou Kim, Myung Sook Oh

Study Type : Transgenic Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Peony : CK(294) : AC(125)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Brain Inflammation : CK(1101) : AC(567)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger inhibits micoglial cell activiation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: **19233241**

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain: Microglial Activation : CK(164) : AC(98), Brain Inflammation : CK(1101) : AC(567), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Nitric Oxide Inhibitor : CK(498) : AC(258), Prostaglandin Antagonists : CK(27) : AC(13)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: **25939344**

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Rhabdomyosarcoma : CK(8) : AC(5)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance/Drug Synergy : CK(957) : AC(485), Significant Treatment Outcome : CK(3903) : AC(462)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: **27544404**

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Lipid Peroxidation : CK(1632) : AC(631)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: **29587238**

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yıldırım, Sefa Kucukler, Mehmet Akif Kılınc, Yavuz Selim Saglam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemoprotective Agents : CK(2322) : AC(906), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Cytoprotective (AC 2) (CK 7)

Turmeric and ginger were effective in eliminating arsenic from the body but could protect from possible damage caused by arsenic exposure.

Pubmed Data : J Ethnopharmacol. 2016 Aug 2. Epub 2016 Aug 2. PMID: 27496583

Article Published Date : Aug 01, 2016

Authors : Suman Biswas, Chinmoy Maji, Prasanta Kumar Sarkar, Samar Sarkar, Abichal Chattopadhyay, Tapan Kumar Mandal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Arsenic Poisoning : CK(243) : AC(91)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cytoprotective : CK(659) : AC(326), Detoxifier : CK(644) : AC(202)

Zingerone could be a potential therapeutic agent for treatment of various severe vascular inflammatory diseases.

Pubmed Data : Arch Pharm Res. 2018 Mar ;41(3):276-287. Epub 2017 May 16. PMID: 28508944

Article Published Date : Feb 28, 2018

Authors : Gahee Min, Sae-Kwang Ku, Taeho Lee, Jong-Sup Bae

Study Type : Animal Study, Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Sepsis : CK(952) : AC(276)
Pharmacological Actions : Cytoprotective : CK(659) : AC(326)

Detoxifier (AC 1) (CK 2)

Turmeric and ginger were effective in eliminating arsenic from the body but could protect from possible damage caused by arsenic exposure.

Pubmed Data : J Ethnopharmacol. 2016 Aug 2. Epub 2016 Aug 2. PMID: 27496583

Article Published Date : Aug 01, 2016

Authors : Suman Biswas, Chinmoy Maji, Prasanta Kumar Sarkar, Samar Sarkar, Abichal Chattopadhyay, Tapan Kumar Mandal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Arsenic Poisoning : CK(243) : AC(91)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cytoprotective : CK(659) : AC(326), Detoxifier : CK(644) : AC(202)

Enzyme Inhibitors (AC 2) (CK 2)

An extract of Z. cassumunar and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: 25840633

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Allergic Airway Diseases : CK(80) : AC(32), Allergies : CK(1381) : AC(280), Hypersensitivity: Respiratory : CK(12) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Enzyme Inhibitors : CK(692) : AC(347), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Gingerenone-A and shogaol may have potential as SaHPPK inhibitors against staphylococcus aureus.

Pubmed Data : Ann Clin Microbiol Antimicrob. 2018 Apr 2 ;17(1):16. Epub 2018 Apr 2. PMID: 29609660

Article Published Date : Apr 01, 2018

Authors : Shailima Rampogu, Ayoung Baek, Rajesh Goud Gajula, Amir Zeb, Rohit S Bavi, Raj Kumar, Yongseong Kim, Yong Jung Kwon, Keun Woo Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Staphylococcus aureus infection : CK(498) : AC(374)
Pharmacological Actions : Enzyme Inhibitors : CK(692) : AC(347)

Enzyme Inhibitors: Pancreatic Lipase (AC 1) (CK 2)

Dietary ginger and other spice compounds enhance fat digestion and absorption in high-fat fed situation through enhanced secretion of bile salts and a stimulation of the activity pancreatic lipase.

Pubmed Data : J Sci Food Agric. 2011 Sep 14. Epub 2011 Sep 14. PMID: 21918995

Article Published Date : Sep 13, 2011

Authors : Usha Ns Prakash, Krishnapura Srinivasan

Study Type : Animal Study
Additional Links
Substances : Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Piperine : CK(320) : AC(159)
Diseases : Fat Malabsorption : CK(2) : AC(1), Indigestion: Fats : CK(2) : AC(1), Steatorrhea : CK(12) : AC(3)
Pharmacological Actions : Enzyme Inhibitors: Pancreatic Lipase : CK(46) : AC(19)

Fertility Agents: Female (AC 1) (CK 2)

Ginger might improve female fertility.

Pubmed Data : J Chin Med Assoc. 2018 Aug 7. Epub 2018 Aug 7. PMID: 30093285

Article Published Date : Aug 06, 2018

Authors : Nafiye Yılmaz, Banu Seven, Hakan Timur, Ayçağ Yorgancı, Hasan Ali İnal, Müberra Namlı Kalem, Ziya Kalem, Özge Han, Banu Bilezikçi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Infertility: Female : CK(541) : AC(127)
Pharmacological Actions : Fertility Agents: Female : CK(90) : AC(18)

Food Preservatives (AC 1) (CK 1)

This study confirmed the potential of selected extracts of spices as effective natural food preservative in juices.

Pubmed Data : Int J Microbiol. 2016 ;2016:9015802. Epub 2016 Jan 4. PMID: 26880927

Article Published Date : Dec 31, 2015

Authors : Romika Dhiman, Neeraj Aggarwal, Kamal Rai Aneja, Manpreet Kaur

Study Type : In Vitro Study
Additional Links
Substances : Ashwagandha : CK(418) : AC(173), Ginger : CK(1514) : AC(444), Gotu Kola : CK(200) : AC(86), Indian Gooseberry : CK(28) : AC(12), Mint : CK(519) : AC(96), Terminalia : CK(27) : AC(18), Turmeric : CK(7078) : AC(3169)
Diseases : Foodborne Pathogens: Prevention/Food Preservation : CK(47) : AC(43)
Pharmacological Actions : Antimicrobial : CK(1209) : AC(582), Food Preservatives : CK(2) : AC(2)
Additional Keywords : Fruit Juice : CK(100) : AC(15), Plant Extracts : CK(14140) : AC(5210)

Galactogogue (AC 1) (CK 10)

Ginger is a promising natural galactagogue to improve breast milk volume in the immediate postpartum period without any notable side effect.

Pubmed Data : Breastfeed Med. 2016 Aug 9. Epub 2016 Aug 9. PMID: 27505611

Article Published Date : Aug 08, 2016

Authors : Panwara Paritakul, Kasem Ruangrongmorakot, Wipada Laosooksathit, Maysita Suksamarnwong, Pawin Puapornpong

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Milk: Inadequate/Poor Quality : CK(124) : AC(13)

Pharmacological Actions : Galactogogue : CK(73) : AC(8)

Gastrointestinal Agents (AC 15) (CK 74)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: 23717767

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Inflammation : CK(9572) : AC(3089), Liver Disease: Oxidative Stress : CK(12) : AC(6), Muscle Soreness : CK(86) : AC(12)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Anti-metastatic : CK(1972) : AC(1481), Antioxidants : CK(21528) : AC(8856), Antiproliferative : CK(6801) : AC(5032), Apoptotic : CK(6986) : AC(5304), Gastrointestinal Agents : CK(3145) : AC(843)

A standardized extract of ginger and artichoke significantly promoted gastric emptying in healthy volunteers.

Pubmed Data : Eur Rev Med Pharmacol Sci. 2016 Jan ;20(1):146-9. PMID: 26813467

Article Published Date : Dec 31, 2015

Authors : S Lazzini, W Polinelli, A Riva, P Morazzoni, E Bombardelli

Study Type : Human Study
Additional Links
Substances : Artichoke : CK(398) : AC(85), Ginger : CK(1514) : AC(444)
Diseases : Delayed Gastric Emptying : CK(107) : AC(13)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Effectiveness of a nutraceutical supplement containing highly standardized perilla and ginger extracts in patients with functional dyspepsia.

Pubmed Data : Minerva Gastroenterol Dietol. 2020 Mar ;66(1):35-40. PMID: 32283883

Article Published Date : Feb 29, 2020

Authors : Francesco Di Pierro, Maurizio Giovannone, Mariella Saponara, Leandro Ivaldi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Perilla : CK(89) : AC(46)
Diseases : Dyspepsia : CK(371) : AC(44)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Effectiveness of ginger to overcome nausea and vomiting caused by

chemotherapy in breast cancer patients.

Pubmed Data : Can Oncol Nurs J. 2020 ;30(1):3-5. Epub 2020 Jan 1. PMID: 33118988

Article Published Date : Dec 31, 2019

Authors : Dwi Fitriyanti, Reni Sulung

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)

Ginger and Turmeric extracts may represent effective and natural therapeutic alternatives in the treatment of giardiosis.

Pubmed Data : Parasitol Res. 2016 Mar 16. Epub 2016 Mar 16. PMID: 26984104

Article Published Date : Mar 15, 2016

Authors : Ahmad K Dyab, Doaa A Yones, Zedan Z Ibraheim, Tasneem M Hassan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Giardiasis : CK(29) : AC(8)
Pharmacological Actions : Antiprotozoal Agents : CK(61) : AC(32), Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Dose Response : CK(1712) : AC(683)

Ginger and artichoke leaf extracts appears efficacious in the treatment of functional dyspepsia and could represent a promising and safe treatment strategy for this frequent disease.

Pubmed Data : Evid Based Complement Alternat Med. 2015 ;2015:915087. Epub 2015 Apr 14. PMID: 25954317

Article Published Date : Dec 31, 2014

Authors : Attilio Giacosa, Davide Guido, Mario Grassi, Antonella Riva, Paolo Morazzoni, Ezio Bombardelli, Simone Perna, Milena A Faliva, Mariangela Rondanelli

Study Type : Human Study
Additional Links
Substances : Artichoke : CK(398) : AC(85), Ginger : CK(1514) : AC(444)
Diseases : Dyspepsia : CK(371) : AC(44)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210), Significant Treatment Outcome : CK(3903) : AC(462)

Ginger and its constituents: Role in treatment of inflammatory bowel disease.

Pubmed Data : Biofactors. 2021 Dec 9. Epub 2021 Dec 9. PMID: 34882874

Article Published Date : Dec 08, 2021

Authors : Naser-Aldin Lashgari, Nazanin Momeni Roudsari, Danial Khayatan, Maryam Shayan, Saeideh Momtaz, Basil D Roufogalis, Amir Hossein Abdolghaffari, Amirhossein Sahebkar

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammatory Bowel Diseases : CK(1994) : AC(540)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)

Ginger may have an inhibitory effect on colorectal cancer-associated taxa.

Pubmed Data : Sci Rep. 2024 Feb 5 ;14(1):2988. Epub 2024 Feb 5. PMID: 38316805

Article Published Date : Feb 04, 2024

Authors : Ajay Prakash, Nathan Rubin, Christopher Staley, Guillaume Onyeaghala, Ya-Feng Wen, Aasma Shaukat, Ginger Milne, Robert J Straka, Timothy R Church, Anna Prizment

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)

Ginger root extract improves GI health in diabetic rats.

Pubmed Data : Nutrients. 2022 Oct 19 ;14(20). Epub 2022 Oct 19. PMID: **36297069**

Article Published Date : Oct 18, 2022

Authors : Rui Wang, Julianna Maria Santos, Jannette M Dufour, Emily R Stephens, Jonathan M Miranda, Rachel L Washburn, Taylor Hibler, Gurvinder Kaur, Dingbo Lin, Chwan-Li Shen

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Gingerol-enriched ginger supplementation mitigates neuropathic pain.

Pubmed Data : Front Pharmacol. 2022 ;13:912609. Epub 2022 Jul 8. PMID: **35873544**

Article Published Date : Dec 31, 2021

Authors : Chwan-Li Shen, Rui Wang, Vadim Yakhnitsa, Julianna Maria Santos, Carina Watson, Takaki Kiritoshi, Guangchen Ji, Abdul Naji Hamood, Volker Neugebauer

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Gut-brain Axis : CK(392) : AC(177)

Impacts of the independent and synergistic effects of curcuma and mangosteen extracts on the gut bacterial composition in lean and obese rats.

Pubmed Data : Microb Pathog. 2021 Feb 11 ;153:104794. Epub 2021 Feb 11. PMID: **33581279**

Article Published Date : Feb 10, 2021

Authors : Ranyah Shaker M Labban, Hanan A ALfawaz, Nadine Ms Moubayed, Yasser Al- Shawakir, Afaf El-Ansary

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Mangosteen : CK(152) : AC(77)
Diseases : Dysbiosis : CK(1527) : AC(422), High Fat Diet : CK(1267) : AC(602)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506)

Prebiotic potential of culinary spices used to support digestion and bioabsorption.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:8973704. Epub 2019 Jun 2. PMID: **31281405**

Article Published Date : Dec 31, 2018

Authors : Christine T Peterson, Dmitry A Rodionov, Stanislav N Iablokov, Meredith A Pung, Deepak Chopra, Paul J Mills,

Scott N Peterson

Study Type : Human Study
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Culinary Herbs and Spices : CK(11065) : AC(3218), Ginger : CK(1514) : AC(444), Long Pepper : CK(29) : AC(12), Turmeric : CK(7078) : AC(3169)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)
Additional Keywords : Microbiota : CK(1256) : AC(346)

The effects of ginger supplementation on common gastrointestinal symptoms in patients with relapsing-remitting multiple sclerosis.

Pubmed Data : BMC Complement Med Ther. 2023 Oct 27 ;23(1):383. Epub 2023 Oct 27. PMID: **37891539**

Article Published Date : Oct 26, 2023

Authors : Sahar Foshati, Maryam Poursadeghfard, Zahra Heidari, Reza Amani

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastrointestinal Complaints : CK(69) : AC(12), Multiple Sclerosis: Relapsing-Remitting : CK(165) : AC(19)
Pharmacological Actions : Gastrointestinal Agents : CK(3145) : AC(843)

This review indicates that ginger possesses multiple properties that could be beneficial in reducing chemotherapy induced nausea and vomiting

Pubmed Data : Crit Rev Food Sci Nutr. 2015 Apr 7:0. Epub 2015 Apr 7. PMID: **25848702**

Article Published Date : Apr 06, 2015

Authors : Wolfgang Marx, Karin Ried, Alexandra L McCarthy, Luis Vitetta, Avni Sali, Daniel McKavanagh, Elisabeth Isenring

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Nausea : CK(288) : AC(32)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemotherapeutic : CK(2328) : AC(1086), Gastrointestinal Agents : CK(3145) : AC(843)

Zingerone has a protective effect on the ethanol-induced gastric ulcer.

Pubmed Data : Medicina (Kaunas). 2019 Mar 11 ;55(3). Epub 2019 Mar 11. PMID: **30862060**

Article Published Date : Mar 10, 2019

Authors : Neda Sistani Karampour, Ardeshir Arzi, Anahita Rezaie, Marzieh Pashmforoosh, Fatemeh Kordi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Gastric Ulcer : CK(470) : AC(212)
Pharmacological Actions : Anti-Ulcer Agents : CK(523) : AC(184), Antioxidants : CK(21528) : AC(8856), Gastrointestinal Agents : CK(3145) : AC(843)

Gastroprotective (AC 2) (CK 12)

The gastro-protective effect of ginger in Helicobacter pylori positive functional dyspepsia.

Pubmed Data : Adv Pharm Bull. 2019 Jun ;9(2):321-324. Epub 2019 Jun 1. PMID: 31380260

Article Published Date : May 31, 2019

Authors : Vahideh Ebrahimzadeh Attari, Mohammad Hosein Somi, Mohammad Asghari Jafarabadi, Alireza Ostadrahimi, Seyed-Yaghob Moaddab, Neda Lotfi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dyspepsia : CK(371) : AC(44), Helicobacter Pylori Infection : CK(966) : AC(207)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Gastroprotective : CK(955) : AC(388)

Turmeric and ginger essential oils could reduce the gastric ulcers in rat stomachs.

Pubmed Data : J Basic Clin Physiol Pharmacol. 2015 Jan ;26(1):95-103. PMID: 24756059

Article Published Date : Dec 31, 2014

Authors : Vijayasteltar B Liju, Kottarapat Jeena, Ramadasan Kuttan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric: Volatile Oils : CK(14) : AC(4)
Diseases : Gastric Ulcer : CK(470) : AC(212)
Pharmacological Actions : Gastroprotective : CK(955) : AC(388)
Additional Keywords : Plant Oils : CK(229) : AC(87)

Genoprotective (AC 1) (CK 1)

Zingerone protects against stannous chloride-induced and hydrogen peroxide-induced oxidative DNA damage.

Pubmed Data : Biol Trace Elem Res. 2013 Dec ;155(3):455-9. Epub 2013 Sep 5. PMID: 24006104

Article Published Date : Nov 30, 2013

Authors : Iyappan Rajan, Nithya Narayanan, Remitha Rabindran, P R Jayasree, P R Manish Kumar

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : DNA damage : CK(1997) : AC(713)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Genoprotective : CK(477) : AC(177)

Glutathione Upregulation (AC 3) (CK 6)

Ginger protects against dichlorvos and lindane induced oxidative stress in rat brain.

Pubmed Data : Pharmacognosy Res. 2012 Jan ;4(1):27-32. PMID: 22224058

Article Published Date : Jan 01, 2012

Authors : Poonam Sharma, Rambir Singh

Study Type : Animal Study

Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Damage : CK(129) : AC(60)
Pharmacological Actions : Glutathione Upregulation : CK(299) : AC(96), Neuroprotective Agents : CK(10404) : AC(4396), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)
Problem Substances : Dichlorvos : CK(15) : AC(8), Lindane : CK(2) : AC(1)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: 21689445

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : ALT: Elevated : CK(70) : AC(11), AST: Elevated : CK(46) : AC(6), Liver Fibrosis : CK(560) : AC(253)
Pharmacological Actions : Glutathione Upregulation : CK(299) : AC(96), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15), Renoprotective : CK(2404) : AC(1075), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)

These findings suggest that a hydro-alcoholic extract of ginger is a potentially novel therapeutic strategy for inhibiting adhesion formation.

Pubmed Data : Evid Based Complement Alternat Med. 2023 ;2023:4086631. Epub 2023 Feb 21. PMID: 36865747

Article Published Date : Dec 31, 2022

Authors : Roghayeh Yahyazadeh, Vafa Baradaran Rahimi, Seyed Ahmad Mohajeri, Milad Iranshahy, Ahmad Yahyazadeh, Maede Hasanpour, Mehrdad Iranshahi, Vahid Reza Askari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Abdominal Adhesions : CK(50) : AC(10), Colon Surgery : CK(31) : AC(8)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Glutathione Upregulation : CK(299) : AC(96), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Heme oxygenase-1 inducer (AC 1) (CK 2)

A phenolics rich extract of ginger had protective effects against Aflatoxin B1-induced oxidative stress and hepatotoxicity.

Pubmed Data : Biomed Pharmacother. 2017 May 2 ;91:415-424. Epub 2017 May 2. PMID: 28475920

Article Published Date : May 01, 2017

Authors : Vipin A V, Raksha Rao K, Nawneet Kumar Kurrey, Anu Appaiah K A, Venkateswaran G

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Liver Damage: Aflatoxin-Induced : CK(72) : AC(30)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Heme oxygenase-1 inducer : CK(57) : AC(39), Hepatoprotective : CK(5098) : AC(2264), Nrf2 activation : CK(1584) : AC(916)
Problem Substances : Aflatoxin : CK(56) : AC(8)

Heme oxygenase-1 up-regulation (AC 2) (CK 4)

6-gingerol alleviates ferroptosis and inflammation of diabetic cardiomyopathy.

Pubmed Data : Oxid Med Cell Longev. 2022 ;2022:3027514. Epub 2022 Dec 31. PMID: 36624878

Article Published Date : Dec 31, 2021

Authors : Shenglin Wu, Jinxiu Zhu, Guihai Wu, Zuoqi Hu, Pengxiang Ying, Zhijun Bao, Zipeng Ding, Xuerui Tan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetes: Cardiovascular Illness : CK(707) : AC(111)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Heme oxygenase-1 up-regulation : CK(624) : AC(373), Nrf2 activation : CK(1584) : AC(916)

Ginger extract ameliorates bisphenol A induced disruption in thyroid hormones synthesis and metabolism.

Pubmed Data : Sci Total Environ. 2019 Nov 3:134664. Epub 2019 Nov 3. PMID: 31757552

Article Published Date : Nov 02, 2019

Authors : Eman T Mohammed, Khalid S Hashem, Amr E Ahmed, Mohamed Tarek Aly, Lotfi Aleya, Mohamed M Abdel-Daim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bisphenol Toxicity : CK(2930) : AC(882)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Heme oxygenase-1 up-regulation : CK(624) : AC(373), Nrf2 activation : CK(1584) : AC(916)
Problem Substances : Bisphenol A : CK(3250) : AC(951)

Hepatoprotective (AC 23) (CK 45)

A phenolics rich extract of ginger had protective effects against Aflatoxin B1-induced oxidative stress and hepatotoxicity.

Pubmed Data : Biomed Pharmacother. 2017 May 2 ;91:415-424. Epub 2017 May 2. PMID: 28475920

Article Published Date : May 01, 2017

Authors : Vipin A V, Raksha Rao K, Nawneet Kumar Kurrey, Anu Appaiah K A, Venkateswaran G

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Liver Damage: Aflatoxin-Induced : CK(72) : AC(30)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Heme oxygenase-1 inducer : CK(57) : AC(39), Hepatoprotective : CK(5098) : AC(2264), Nrf2 activation : CK(1584) : AC(916)
Problem Substances : Aflatoxin : CK(56) : AC(8)

Ginger and lemon juices as preventive agents from chronic liver damage induced by carbon tetrachloride.

Pubmed Data : Antioxidants (Basel). 2022 Feb 15 ;11(2). Epub 2022 Feb 15. PMID: **35204272**

Article Published Date : Feb 14, 2022

Authors : Oussama Bekkouch, Mohammed Dalli, Mohamed Harnafi, Ilham Touiss, Imane Mokhtari, Soufiane El Assri, Hicham Harnafi, Mohammed Choukri, Seok-Jae Ko, Bonglee Kim, Souliman Amrani

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Lemon : CK(143) : AC(46)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Ginger and zinc mixture protected against malathion induced toxicity to the liver and kidney.

Pubmed Data : Int J Immunopathol Pharmacol. 2015 Mar ;28(1):122-8. PMID: **25816415**

Article Published Date : Feb 28, 2015

Authors : Ahmed A Baiomy, Hossam F Attia, Mohamed M Soliman, Omar Makrum

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zinc : CK(1486) : AC(267)
Diseases : Chemical Exposure : CK(93) : AC(28), Chemically-Induced Liver Damage : CK(1565) : AC(721), Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Additional Keywords : Malathion Toxicity : CK(2) : AC(1), Zinc Chloride : CK(2) : AC(1)

Ginger can have beneficial effects on health complications associated with unhealthy diet.

Pubmed Data : An Acad Bras Cienc. 2019 ;91(4):e20180975. Epub 2019 Nov 11. PMID: **31721920**

Article Published Date : Dec 31, 2018

Authors : Dalila T Leal, Gleide G Fontes, Julia K D Villa, Rodrigo B Freitas, Mateus G Campos, Camilo A Carvalho, Virginia R Pizziolo, Marisa A N Diaz

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Damage : CK(2494) : AC(1121)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Anti Therapeutic Actions : Western Diet : CK(416) : AC(121)

Ginger extracts can be considered as an effective, economical and safe extract to circumvent phosphamidon induced hepatotoxicity.

Pubmed Data : Indian J Exp Biol. 2015 Sep ;53(9):574-84. PMID: **26548077**

Article Published Date : Aug 31, 2015

Authors : Suprabhat Mukherjee, Niladri Mukherjee, Prasanta Saini, Priya Roy, Santi P Sinha Babu

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Ginger protects against acetaminophen-induced acute liver injury by enhancing liver antioxidant status.

Pubmed Data : Food Chem Toxicol. 2007 Nov;45(11):2267-72. Epub 2007 Jun 9. PMID: **17637489**

Article Published Date : Nov 01, 2007

Authors : T A Ajith, U Hema, M S Aswathy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Acetaminophen (Tylenol) Toxicity : CK(654) : AC(246)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Ginger protects against bromobenzene-induced liver toxicity in male rats.

Pubmed Data : Food Chem Toxicol. 2009 Jul;47(7):1584-90. Epub 2009 Apr 23. PMID: **19371770**

Article Published Date : Jul 01, 2009

Authors : A S El-Sharaky, A A Newairy, M A Kamel, S M Eweda

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bromobenzene Toxicity : CK(4) : AC(2)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Ginger showed a protection role in glyphosate-induced liver and kidney dysfunction, oxidative stress, immunosuppression in Nile tilapia.

Pubmed Data : Vet Res Commun. 2022 Jun 30. Epub 2022 Jun 30. PMID: **35773603**

Article Published Date : Jun 29, 2022

Authors : Afaf D Abdelmagid, Alshaimaa M Said, Eman A Abd El-Gawad, Sara A Shalaby, Mahmoud A O Dawood

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Glyphosate Toxicity : CK(394) : AC(151), Kidney Damage: Chemically-Induced : CK(25) : AC(13), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Glyphosate : CK(895) : AC(304)

Ginger was able to reduce the severity of diethylnitrosamine-cytotoxicity.

Pubmed Data : Biomarkers. 2019 Apr 12:1-34. Epub 2019 Apr 12. PMID: **30979347**

Article Published Date : Apr 11, 2019

Authors : Abdelgawad Fahmi, Naglaa Hassanen, Mariam Abdur-Rahman, Engy Shams-Eldin

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Hepatoprotective effects of moderate-intensity interval training along with ginger juice in an old male rat model.

Pubmed Data : Pflugers Arch. 2023 Apr ;475(4):437-452. Epub 2023 Jan 24. PMID: **36692542**

Article Published Date : Mar 31, 2023

Authors : Omid Abazari, Abolfazl Shakibaee, Alireza Shahriary, Ehsan Arabzadeh, Martin Hofmeister

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Therapeutic Actions : Exercise : CK(4855) : AC(736)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: 26667466

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Lipid Peroxidation : CK(1632) : AC(631), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Modulatory effect of zingerone against cisplatin or γ-irradiation induced hepatotoxicity by molecular targeting regulation.

Pubmed Data : Appl Radiat Isot. 2019 Sep 10 ;154:108891. Epub 2019 Sep 10. PMID: 31536909

Article Published Date : Sep 09, 2019

Authors : Hebatallah E Mohamed, Monda M M Badawy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570), Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Hepatoprotective : CK(5098) : AC(2264), Radioprotective : CK(1668) : AC(521)

Review of polyphenol-rich products as potential protective and therapeutic factors against cadmium hepatotoxicity.

Pubmed Data : J Appl Toxicol. 2019 01 ;39(1):117-145. Epub 2018 Sep 14. PMID: 30216481

Article Published Date : Dec 31, 2018

Authors : Magdalena Mężyńska, Malgorzata M Brzóska

Study Type : Animal Study
Additional Links
Substances : Black Tea : CK(1027) : AC(256), Blueberry : CK(721) : AC(250), Chokeberry : CK(375) : AC(120), Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057), Olive Oil : CK(599) : AC(128), Polyphenols : CK(1878) : AC(700), Rosemary : CK(413) : AC(163)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Cadmium : CK(383) : AC(148)

Steamed ginger can decrease plasma total cholesterol and triglyceride and can inhibit liver steatosis by regulating the expressions of hepatic genes.

Pubmed Data : Nutr Res Pract. 2018 Dec ;12(6):503-511. Epub 2018 Nov 30. PMID: 30515278

Article Published Date : Nov 30, 2018

Authors : Hee-Jeong Kim, Bohkyung Kim, Eun-Gyung Mun, Soon-Yeon Jeong, Youn-Soo Cha

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Steatosis : CK(103) : AC(38)

Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501)

The combination of ginger powder and zinc supplement improves the fructose-induced metabolic syndrome.

Pubmed Data : J Food Biochem. 2020 Nov 3:e13546. Epub 2020 Nov 3. PMID: **33145794**

Article Published Date : Nov 02, 2020

Authors : Zana Ahmed Mustafa, Rojgar Hamed Ali, Dler Rostum Ali, Rahim Abdulkarimi, Nashwan K Abdulkareem, Abolfazl Akbari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zinc : CK(1486) : AC(267)
Diseases : High Fructose Diet : CK(383) : AC(147), Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hepatoprotective : CK(5098) : AC(2264), NF-kappaB Inhibitor : CK(3536) : AC(2098)

These data provide new insights into the preventive approach of zingerone against the development of the NAFLD.

Pubmed Data : Gen Physiol Biophys. 2016 Apr ;35(2):185-94. Epub 2016 Feb 26. PMID: **26915720**

Article Published Date : Mar 31, 2016

Authors : Jeyabarathy Muniandy Narayanan, Victor A S Jesudoss

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : High Fructose Diet : CK(383) : AC(147), Nonalcoholic fatty liver disease (NAFLD) : CK(1862) : AC(521)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: **28442378**

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Alcoholic Liver Disease : CK(389) : AC(168), DNA damage : CK(1997) : AC(713)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Bcl-2 protein down-regulation : CK(553) : AC(407), Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)

Zingerone protects against lipopolysaccharide induced liver damage.

Pubmed Data : Chem Biol Interact. 2018 Feb 1 ;281:106-110. Epub 2017 Dec 28. PMID: **29289488**

Article Published Date : Jan 31, 2018

Authors : Wonhwa Lee, Mi-Hye Hwang, Yuri Lee, Jong-Sup Bae

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Zingerone therapy significantly protected liver from endotoxin induced inflammatory damage

Pubmed Data : PLoS One. 2014 ;9(9):e106536. Epub 2014 Sep 3. PMID: **25184525**

Article Published Date : Dec 31, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Antibiotic Toxicity : CK(316) : AC(82), Endotoxemia : CK(219) : AC(91), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Antibiotics : CK(703) : AC(132)

Zingiber mioga reduces weight gain, insulin resistance and hepatic gluconeogenesis in diet-induced obese mice.

Pubmed Data : Exp Ther Med. 2016 Jul ;12(1):369-376. Epub 2016 May 11. PMID: **27347064**

Article Published Date : Jun 30, 2016

Authors : DA-Hye Lee, Jiyun Ahn, Young Jin Jang, Tae-Youl Ha, Chang Hwa Jung

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Hepatic Steatosis : CK(325) : AC(124), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Zingiber officinale diminishes diazinon-induced hepatotoxicity by suppressing oxidative stress and apoptosis.

Pubmed Data : Biotech Histochem. 2020 Jul 16:1-7. Epub 2020 Jul 16. PMID: **32672073**

Article Published Date : Jul 15, 2020

Authors : Saeed Yaghubi Beklar, Maedeh Hamzeh, Abbasali Karimpour Malekshah, Fereshteh Talebpour Amiri

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Pesticide Toxicity : CK(1245) : AC(376)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264)
Problem Substances : Pesticides : CK(2214) : AC(420)

Zingiber officinale extract and 6-gingerol provide protection against acute mercuric chloride-intoxication.

Pubmed Data : Biomed Pharmacother. 2017 May 8 ;91:645-655. Epub 2017 May 8. PMID: **28494418**

Article Published Date : May 07, 2017

Authors : Deepmala Joshi, Sunil Kumar Srivastav, Sateesh Belemkar, Vaibhav A Dixit

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Mercury Poisoning : CK(449) : AC(136)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Mercury : CK(808) : AC(185)

Zingiber officinale extract and omega-3 fatty acids ameliorate

endoplasmic reticulum stress in a nonalcoholic fatty liver rat model.

Pubmed Data : J Food Biochem. 2019 Oct 14:e13076. Epub 2019 Oct 14. PMID: 31608477

Article Published Date : Oct 13, 2019

Authors : Mohamed A Kandeil, Reem M Hashem, Mohamed O Mahmoud, Mona H Hetta, Mohamed A Tohamy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Omega-3 Fatty Acids : CK(4672) : AC(633)
Diseases : Nonalcoholic fatty liver disease (NAFLD) : CK(1862) : AC(521)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264)

Histone deacetylase inhibitor (AC 1) (CK 1)

Zingiber zerumbet (a member of the ginger family) contains compounds that inhibit histone deacetylase and exhibited growth inhibitory activity on various human tumor cell lines.

Pubmed Data : Pharmazie. 2008 Oct;63(10):774-6. PMID: 18972844

Article Published Date : Oct 01, 2008

Authors : Ill-Min Chung, Min-Young Kim, Won-Hwan Park, Hyung-In Moon

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Tumors : CK(205) : AC(120)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Histone deacetylase inhibitor : CK(98) : AC(69)

Hypoglycemic Agents (AC 18) (CK 71)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: 25719344

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148), Hyperglycemia : CK(1494) : AC(453), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)

Anti-diabetic activity of Zingiber officinale in streptozotocin-induced type I diabetic rats.

Pubmed Data : J Pharm Pharmacol. 2004 Jan ;56(1):101-5. PMID: 14980006

Article Published Date : Dec 31, 2003

Authors : Sanjay P Akhani, Santosh L Vishwakarma, Ramesh K Goyal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1: Prevention : CK(320) : AC(75), Hypertension : CK(6384) : AC(950)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin-releasing : CK(122) : AC(49)
Additional Keywords : Phytotherapy : CK(3062) : AC(812)
Problem Substances : Insulin : CK(384) : AC(68)

Ayurvedic polyherbal combination for prediabetes.

Pubmed Data : J Ayurveda Integr Med. 2019 Jan 17. Epub 2019 Jan 17. PMID: **30661947**

Article Published Date : Jan 16, 2019

Authors : Amit Nakanekar, Kuldip Kohli, Pratima Tatke

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Guduchi : CK(93) : AC(21), Gymnema Sylvestre : CK(69) : AC(30), Pterocarpus marsupium : CK(39) : AC(17)
Diseases : Prediabetes : CK(192) : AC(23)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: **22314994**

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Insulin Resistance : CK(3522) : AC(792), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15)

Ginger extract might be considered as an alternative therapeutic strategy in the management of overweight and hepatic and metabolic alterations.

Pubmed Data : Appl Physiol Nutr Metab. 2017 Feb ;42(2):209-215. Epub 2016 Nov 2. PMID: **28125276**

Article Published Date : Jan 31, 2017

Authors : Natalia de Las Heras, María Valero-Muñoz, Beatriz Martín-Fernández, Sandra Ballesteros, Antonio López-Farré, Baltasar Ruiz-Roso, Vicente Lahera

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Hyperlipidemia : CK(1569) : AC(402), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger has anti-diabetic and lipid lowering properties in an animal model of type 1 diabetes.

Pubmed Data : Br J Nutr. 2006 Oct;96(4):660-6. PMID: **17010224**

Article Published Date : Oct 01, 2006

Authors : Zainab M Al-Amin, Martha Thomson, Khaled K Al-Qattan, Riitta Peltonen-Shalaby, Muslim Ali

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Cardiovascular Illness : CK(707) : AC(111), Diabetes Mellitus: Type 1 : CK(1605) : AC(471)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger may be introduced as a therapeutic or preventive agent against metabolic syndrome.

Pubmed Data : Iran J Basic Med Sci. 2022 Jun ;25(6):664-674. PMID: **35949312**

Article Published Date : May 31, 2022

Authors : Sanaz Salaramoli, Soghra Mehri, Fatemeh Yarmohammadi, Seyed Isaac Hashemy, Hossein Hosseinzadeh

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Antihypertensive Agents : CK(4527) : AC(683), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Green tea and ginger extracts have a significant hypoglycemic effect in diabetic rabbits.

Pubmed Data : Acta Pol Pharm. 2015 May-Jun;72(3):497-506. PMID: **26642658**

Article Published Date : Apr 30, 2015

Authors : Ahmed Elkirdasy, Saad Shousha, Abdulmohsen H Alrohaimi, M Faiz Arshad

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Polyphenol-rich Indian ginger cultivars ameliorate GLUT4 activity in C2C12 cells, inhibit diabetes-related enzymes and LPS-induced inflammation.

Pubmed Data : J Food Biochem. 2021 Feb ;45(2):e13600. Epub 2021 Jan 5. PMID: **33403698**

Article Published Date : Jan 31, 2021

Authors : Meenakshi Venkateswaran, Sasidharan Jayabal, Shanmugam Hemaiswarya, Selvakumar Murugesan, Subudhi Enkateswara, Mukesh Doble, Sureshkumar Periyasamy

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hypoglycemic Agents : CK(5366) : AC(1338)

The effect of ginger powder supplementation on insulin resistance and glycemic indices in patients with type 2 diabetes: A randomized, double-blind, placebo-controlled trial.

Pubmed Data : Complement Ther Med. 2014 Feb ;22(1):9-16. Epub 2014 Jan 8. PMID: **24559810**

Article Published Date : Jan 31, 2014

Authors : Hassan Mozaffari-Khosravi, Behrouz Talaei, Beman-Ali Jalali, Azadeh Najarzadeh, Mohammad Reza Mozayan

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)

The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α-glycosidase enzymes.

Pubmed Data : J Biochem Mol Toxicol. 2017 Dec ;31(12). Epub 2017 Sep 13. PMID: **28902458**

Article Published Date : Nov 30, 2017

Authors : Parham Taslimi, Cuneyt Caglayan, İlhami Gulcin

Study Type : In Vitro Study
Additional Links
Substances : Carvacrol : CK(219) : AC(118), Chrysin : CK(436) : AC(269), Citrus naringin : CK(401) : AC(221), Ginger : CK(1514) : AC(444), Hesperidin : CK(545) : AC(215), Polyphenols : CK(1878) : AC(700)
Diseases : Hypoglycemia : CK(345) : AC(83)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Alpha-glucosidase inhibitor : CK(274) : AC(201), Hypoglycemic Agents : CK(5366) : AC(1338)

The role of mTOR and oral intervention of combined Zingiber officinale-Terminalia chebula extract in type 2 diabetes models.

Pubmed Data : J Food Biochem. 2020 Jul ;44(7):e13250. Epub 2020 May 27. PMID: **32462682**

Article Published Date : Jun 30, 2020

Authors : Jayasindu Mathiyazhagan, Gothandam Kodiveri Muthukaliannan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)

The use of ginger can help in the treatment of people with diabetes.

Pubmed Data : Rev Lat Am Enfermagem. 2020 ;28:e3369. Epub 2020 Oct 9. PMID: **33053078**

Article Published Date : Dec 31, 2019

Authors : Gerdane Celene Nunes Carvalho, José Claudio Garcia Lira-Neto, Márcio Flávio Moura de Araújo, Roberto Wagner Júnior Freire de Freitas, Maria Lúcia Zanetti, Marta Maria Coelho Damasceno

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Anticholesteremic Agents : CK(3078) : AC(530), Hypoglycemic Agents : CK(5366) : AC(1338)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: **28505392**

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)

Diseases : Inflammation : CK(9572) : AC(3089), Metabolic Syndrome X : CK(2073) : AC(376), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

This study indicated that in diabetic hemodialysis patients, ginger could result to lower blood glucose levels, enhanced insulin sensitivity.

Pubmed Data : BMC Complement Med Ther. 2023 Feb 17 ;23(1):52. Epub 2023 Feb 17. PMID: 36800950

Article Published Date : Feb 16, 2023

Authors : Helya Rostamkhani, Parisa Veisi, Bahram Niknafs, Mohammad Asghari Jafarabadi, Zohreh Ghoreishi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Insulin Resistance : CK(3522) : AC(792), Kidney Failure: Chronic : CK(238) : AC(35)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)
Problem Substances : Insulin : CK(384) : AC(68)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: 29537332

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingiber officinale, Phyllanthus emblica, Cinnamomum verum, and Curcuma longa to prevent type 2 diabetes.

Pubmed Data : Curr Diabetes Rev. 2022 Nov 24. Epub 2022 Nov 24. PMID: 36424773

Article Published Date : Nov 23, 2022

Authors : Uththara Subodhini Wijewardhana, Madhura Arunoda Jayasinghe, Isuru Wijesekara, K K D S Ranaweera

Study Type : Review
Additional Links
Substances : Amla Fruit : CK(238) : AC(84), Cinnamon : CK(665) : AC(196), Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338)

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zingerone modulates hyperglycaemia, hyperlipidaemia, oxidative biochemical markers and degenerative changes in β-cells of treated diabetic groups.

Pubmed Data : Arch Physiol Biochem. 2019 Aug 7:1-7. Epub 2019 Aug 7. PMID: 31389247

Article Published Date : Aug 06, 2019

Authors : Tarique Anwer, Zafar Ali Alkarbi, Ali Hassan Najmi, Saeed Alshahrani, Rahimullah Siddiqui, Gyas Khan, Mohammad Firoz Alam

Study Type : Animal Study

Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)

Hypolipidemic (AC 17) (CK 48)

Adding ginger to daily diet of diabetic patients has useful effects and may ameliorate diabetes complications.

Pubmed Data : Avicenna J Med Biotechnol. 2019 Jul-Sep;11(3):234-238. PMID: 31379996

Article Published Date : Jun 30, 2019

Authors : Shirin Azizidoost, Zahra Nazeri, Asma Mohammadi, Ghorban Mohammadzadeh, Maryam Cheraghzadeh, Alireza Jafari, Alireza Kheirollah

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009), Hypercholesterolemia : CK(2333) : AC(408)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)

Administration of ginger and/or thyme has ameliorative effects on liver and kidney functions of V-line rabbits.

Pubmed Data : J Anim Physiol Anim Nutr (Berl). 2019 Aug 22. Epub 2019 Aug 22. PMID: 31441113

Article Published Date : Aug 21, 2019

Authors : Mohammed Abdel-Gabbar, Rasha R Ahmed, Mohamed A Kandeil, Alaa El-Deen H Mohamed, Shimaa M Ali

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Thyme : CK(140) : AC(70)
Diseases : Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypolipidemic : CK(5358) : AC(1221)

Beneficial effect of Zingiber officinale on olanzapine-induced weight gain and metabolic changes.

Pubmed Data : J Diabetes Metab Disord. 2021 Jun ;20(1):41-48. Epub 2021 Jan 6. PMID: 34178822

Article Published Date : May 31, 2021

Authors : Mrityunjaya B Ullagaddi, B M Patil, Pukar Khanal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Weight Gain: Drug-Induced : CK(63) : AC(7)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Daily administration of 1,000 mg ginger reduces serum triglyceride concentration, which is a risk factor for cardiovascular disease in peritoneal dialysis patients.

Pubmed Data : Perit Dial Int. 2015 Oct 16. Epub 2015 Oct 16. PMID: 26475844

Article Published Date : Oct 15, 2015

Authors : Hadi Tabibi, Hossein Imani, Shahnaz Atabak, Iraj Najafi, Mehdi Hedayati, Leila Rahmani

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiovascular Disease: Prevention : CK(6355) : AC(1018), Hemodialysis : CK(950) : AC(99), Triglycerides: Elevated : CK(916) : AC(152)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Risk Reduction : CK(15144) : AC(1708)

Ginger could be considered as an effective lipid lowering nutraceuticals.

Pubmed Data : Phytother Res. 2023 Jun ;37(6):2472-2483. Epub 2023 Feb 14. PMID: **36786398**

Article Published Date : May 31, 2023

Authors : Alaa Kassar Salih, Ala Hadi Alwan, Murad Khadim, Zahraa Haleem Al-Qaim, Bobosher Mardanov, Amr A El-Sehrwy, Yousief Irshad Ahmed, Atefeh Amerizadeh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Dyslipidemias : CK(1104) : AC(241)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)

Ginger could protect alcohol-induced myocardial damage by suppression of hyperlipidemia and cardiac biomarkers.

Pubmed Data : Pharmacogn Mag. 2017 Jan ;13(Suppl 1):S69-S75. Epub 2017 Apr 7. PMID: **28479729**

Article Published Date : Dec 31, 2016

Authors : Ganjikunta Venkata Subbaiah, Korivi Mallikarjuna, Bhasha Shanmugam, Sahukari Ravi, Patan Usnan Taj, Kesireddy Sathyavelu Reddy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Cardioprotective : CK(5377) : AC(1675), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger decreases the negative metabolic consequences induced by high-refined carbohydrate diet.

Pubmed Data : J Med Food. 2018 Oct 26. Epub 2018 Oct 26. PMID: **30362875**

Article Published Date : Oct 25, 2018

Authors : Cíntia Tarabal Oliveira, Débora Romualdo Lacerda, Marina Campos Zicker, Laís Bhering Martins, Mauro Martins Teixeira, Raquel Linhares Bello de Araujo, Adaliene Versiani Matos Ferreira

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hypolipidemic : CK(5358) : AC(1221)

Ginger has a protective effect against dyslipidemia in diabetic rats.

Pubmed Data : J Ethnopharmacol. 2005 Feb 28;97(2):227-30. PMID: **15707757**

Article Published Date : Feb 28, 2005

Authors : Uma Bhandari, Raman Kanojia, K K Pillai

Study Type : Animal Study
Additional Links

Substances : Ginger : CK(1514) : AC(444)
Diseases : Cholesterol: LDL/HDL ratio : CK(556) : AC(67), Diabetes: Cardiovascular Illness : CK(707) : AC(111), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger may be introduced as a therapeutic or preventive agent against metabolic syndrome.

Pubmed Data : Iran J Basic Med Sci. 2022 Jun ;25(6):664-674. PMID: **35949312**

Article Published Date : May 31, 2022

Authors : Sanaz Salaramoli, Soghra Mehri, Fatemeh Yarmohammadi, Seyed Isaac Hashemy, Hossein Hosseinzadeh

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Antihypertensive Agents : CK(4527) : AC(683), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

Ginger supplementation offers beneficial effects on patients with metabolic syndrome.

Pubmed Data : J Diabetes Metab Disord. 2019 Jun ;18(1):119-125. Epub 2019 Mar 22. PMID: **31275882**

Article Published Date : May 31, 2019

Authors : Mehran Rahimlou, Zahra Yari, Elham Rayyani, Seyed Ali Keshavarz, Seyedahmad Hosseini, Nava Morshedzadeh, Azita Hekmatdoost

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221), Insulin Sensitizers : CK(1185) : AC(244)

Green tea and ginger extracts have a significant hypoglycemic effect in diabetic rabbits.

Pubmed Data : Acta Pol Pharm. 2015 May-Jun;72(3):497-506. PMID: **26642658**

Article Published Date : Apr 30, 2015

Authors : Ahmed Elkirdasy, Saad Shousha, Abdulmohsen H Alrohaimi, M Faiz Arshad

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Hyperlipidemia : CK(1569) : AC(402)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

In vitro antioxidant and in vivo lipid-lowering properties of Zingiber officinale crude aqueous extract.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:9734390. Epub 2019 Jul 9. PMID: **31360211**

Article Published Date : Dec 31, 2018

Authors : Oussama Bekkouch, Mohamed Harnafi, Ilham Touiss, Saloua Khatib, Hicham Harnafi, Chakib Alem, Souliman Amrani

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Hyperlipidemia : CK(1569) : AC(402)

Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Synergistic lipid-lowering effects of Zingiber mioga and Hippophae rhamnoides extracts.

Pubmed Data : Exp Ther Med. 2020 Sep ;20(3):2270-2278. Epub 2020 Jun 19. PMID: **32765704**

Article Published Date : Aug 31, 2020

Authors : So-Hyun Park, Da-Hye Lee, Hyun-Il Choi, Jiyun Ahn, Young-Jin Jang, Tae-Youl Ha, Chang Hwa Jung

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Sea buckthorn : CK(359) : AC(141)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Natural Substance Synergy : CK(1094) : AC(506)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: **28505392**

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Metabolic Syndrome X : CK(2073) : AC(376), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: **28442378**

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Alcoholic Liver Disease : CK(389) : AC(168), DNA damage : CK(1997) : AC(713)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Bcl-2 protein down-regulation : CK(553) : AC(407), Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)

Zingiber mioga reduces weight gain, insulin resistance and hepatic gluconeogenesis in diet-induced obese mice.

Pubmed Data : Exp Ther Med. 2016 Jul ;12(1):369-376. Epub 2016 May 11. PMID: **27347064**

Article Published Date : Jun 30, 2016

Authors : DA-Hye Lee, Jiyun Ahn, Young Jin Jang, Tae-Youl Ha, Chang Hwa Jung

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Hepatic Steatosis : CK(325) : AC(124), Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Hypolipidemic : CK(5358) : AC(1221)
Additional Keywords : Anti-Obesity Agents : CK(2925) : AC(774)

zingerone modulates hyperglycaemia, hyperlipidaemia, oxidative biochemical markers and degenerative changes in β-cells of treated diabetic groups.

Pubmed Data : Arch Physiol Biochem. 2019 Aug 7:1-7. Epub 2019 Aug 7. PMID: 31389247

Article Published Date : Aug 06, 2019

Authors : Tarique Anwer, Zafar Ali Alkarbi, Ali Hassan Najmi, Saeed Alshahrani, Rahimullah Siddiqui, Gyas Khan, Mohammad Firoz Alam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Hypolipidemic : CK(5358) : AC(1221)

Immunomodulatory (AC 11) (CK 22)

Aromatherapy with light Thai massage can be beneficial for the immune systems of cancer patients who are undergoing chemotherapy.

Pubmed Data : Asian Pac J Cancer Prev. 2013 ;14(6):3903-7. PMID: 23886205

Article Published Date : Dec 31, 2012

Authors : Santisith Khiewkhern, Supannee Promthet, Aemkhea Sukprasert, Wichai Eunhpinitpong, Peter Bradshaw

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colorectal Cancer : CK(3666) : AC(1651)
Therapeutic Actions : Aromatherapy Massage : CK(281) : AC(28)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475)

Effect of differential thermal drying conditions on the immunomodulatory function of ginger.

Pubmed Data : J Microbiol Biotechnol. 2019 Jul 28 ;29(7):1053-1060. PMID: 31280523

Article Published Date : Jul 27, 2019

Authors : Ji Su Lee, Bomi Kim, Jae Hwan Kim, Minju Jeong, Seokwon Lim, Sanguine Byun

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475), Immunostimulatory : CK(633) : AC(192)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Effects of ginger extract and its major component 6-gingerol on anti-tumor property through mitochondrial biogenesis in CD8 + T cells.

Pubmed Data : J Food Sci. 2022 Jun 16. Epub 2022 Jun 16. PMID: 35708209

Article Published Date : Jun 15, 2022

Authors : Xiaohong Deng, Dandan Chen, Xianjun Sun, Jingcheng Dong, Jianhua Huang

Study Type : In Vitro Study

Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475)

Ginger and constituent 6-gingerol could be used the prevention or alleviation of allergic rhinitis symptoms.

Pubmed Data : J Nutr Biochem. 2015 Sep 1. Epub 2015 Sep 1. PMID: **26403321**

Article Published Date : Aug 31, 2015

Authors : Yoshiyuki Kawamoto, Yuki Ueno, Emiko Nakahashi, Momoko Obayashi, Kento Sugihara, Shanlou Qiao, Machiko Iida, Mayuko Y Kumasaka, Ichiro Yajima, Yuji Goto, Nobutaka Ohgami, Masashi Kato, Kozue Takeda

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Allergic Rhinitis : CK(781) : AC(126), Allergic Rhinitis: Prevention : CK(12) : AC(2)
Pharmacological Actions : Anti-Allergic Agents : CK(442) : AC(150), Immunomodulatory : CK(4048) : AC(1475)

Ginger has an important anti-hydatic effect in vitro.

Pubmed Data : Asian Pac J Trop Med. 2016 Aug ;9(8):749-56. Epub 2016 Jun 29. PMID: **27569883**

Article Published Date : Jul 31, 2016

Authors : Manel Amri, Chafia Touil-Boukoffa

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Hydatidosis : CK(3) : AC(2)
Pharmacological Actions : Antiparasitic Agents : CK(208) : AC(121), Immunomodulatory : CK(4048) : AC(1475)

Herbal plants as immunity modulators against COVID-19.

Pubmed Data : J Herb Med. 2021 Aug 5:100501. Epub 2021 Aug 5. PMID: **34377631**

Article Published Date : Aug 04, 2021

Authors : Kuntal Das

Study Type : Review
Additional Links
Substances : Aloe Vera : CK(725) : AC(189), Ashwagandha : CK(418) : AC(173), Black Pepper : CK(714) : AC(307), Broccoli : CK(1954) : AC(692), Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Holy Basil : CK(203) : AC(78), Licorice : CK(697) : AC(305), Moringa oleifera : CK(460) : AC(245), Neem : CK(193) : AC(83), Turmeric : CK(7078) : AC(3169)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475)

Immunomodulatory role and potential utility of various nutrients and dietary components in SARS-CoV-2 infection.

Pubmed Data : Int J Vitam Nutr Res. 2021 Jun 8:1-14. Epub 2021 Jun 8. PMID: **34100300**

Article Published Date : Jun 07, 2021

Authors : Muhammad Osama Yaseen, Humzah Jamshaid, Arifa Saif, Talib Hussain

Study Type : Review
Additional Links
Substances : Elderberry : CK(197) : AC(74), Fruit: All : CK(7227) : AC(1679), Ginger : CK(1514) : AC(444), Probiotics : CK(7680) : AC(1196), Selenium : CK(1322) : AC(290), Vitamin C : CK(4687) : AC(1149), Vitamin D : CK(8897) : AC(1260), Zinc : CK(1486) : AC(267)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antiviral Agents : CK(1957) : AC(1034), Immunomodulatory : CK(4048) : AC(1475)

Mixed polysaccharides derived from Shiitake mushroom, Poriacocos, Ginger, and Tangerine peel enhanced protective immune responses in mice induced by inactivated influenza vaccine.

Pubmed Data : Biomed Pharmacother. 2020 Mar 12 ;126:110049. Epub 2020 Mar 12. PMID: 32172063

Article Published Date : Mar 11, 2020

Authors : Hongmei Zhu, Minghua Hu, Dehai Wang, Guowei Xu, Xiquan Yin, Xin Liu, Mingxing Ding, Li Han

Study Type : Animal Study
Additional Links
Substances : Fruit Peel : CK(5) : AC(3), Ginger : CK(1514) : AC(444), Medicinal Mushrooms : CK(1715) : AC(797), Shiitake Mushroom : CK(90) : AC(47)
Diseases : Influenza : CK(1407) : AC(288)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475), Immunostimulatory : CK(633) : AC(192)

Natural products for COVID-19 prevention and treatment regarding to previous coronavirus infections and novel studies.

Pubmed Data : Phytother Res. 2020 Sep 27. Epub 2020 Sep 27. PMID: 32985017

Article Published Date : Sep 26, 2020

Authors : Motahareh Boozari, Hossein Hosseinzadeh

Study Type : Review
Additional Links
Substances : Echinacea : CK(838) : AC(218), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Licorice : CK(697) : AC(305), Nigella sativa (aka Black Seed) : CK(1815) : AC(478), St. Johns Wort : CK(322) : AC(101)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475)

Therapeutic potentials of ginger for treatment of Multiple sclerosis.

Pubmed Data : J Neuroimmunol. 2018 11 15 ;324:54-75. Epub 2018 Sep 12. PMID: 30243185

Article Published Date : Jan 14, 2018

Authors : Abdollah Jafarzadeh, Maryam Nemati

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Multiple Sclerosis : CK(1802) : AC(394), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Immunomodulatory : CK(4048) : AC(1475)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

This reviews the potential prevention and treatment activities of dietary natural products and their major bioactive constituents on liver cancer.

Pubmed Data : Nutrients. 2016 ;8(3). Epub 2016 Mar 10. PMID: 26978396

Article Published Date : Dec 31, 2015

Authors : Yue Zhou, Ya Li, Tong Zhou, Jie Zheng, Sha Li, Hua-Bin Li

Study Type : Review
Additional Links
Substances : Asparagus : CK(53) : AC(30), Beans: All : CK(151) : AC(38), Black Currant : CK(434) : AC(92), Cruciferous Vegetables : CK(1820) : AC(650), Ginger : CK(1514) : AC(444), Grape : CK(4560) : AC(1322), Plum : CK(98) : AC(33), Pomegranate : CK(1222) : AC(405), Rice Bran : CK(259) : AC(77), Tomato : CK(1225) : AC(303), Turmeric : CK(7078) : AC(3169)
Diseases : Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Chemopreventive : CK(5374) : AC(1717), Immunomodulatory : CK(4048) : AC(1475)

Additional Keywords : Natural Substance/Drug Synergy : CK(957) : AC(485)

Immunomodulatory: Th17 downregulation (AC 1) (CK 10)

Ginger may be an effective adjuvant therapy for patients with relapsing-remitting MS.

Pubmed Data : Food Funct. 2023 Apr 24 ;14(8):3701-3711. Epub 2023 Apr 24. PMID: 36974730

Article Published Date : Apr 23, 2023

Authors : Sahar Foshati, Maryam Poursadeghfard, Zahra Heidari, Reza Amani

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Multiple Sclerosis: Relapsing-Remitting : CK(165) : AC(19)
Pharmacological Actions : Immunomodulatory: Th17 downregulation : CK(177) : AC(81)

Immunostimulatory (AC 3) (CK 5)

Dietary intake of C. longa and Z. officinale potentiates the non-specific host defences against opportunistic infections.

Pubmed Data : Cell Immunol. 2012 Nov ;280(1):92-100. Epub 2012 Dec 10. PMID: 23295981

Article Published Date : Oct 31, 2012

Authors : Biswajit Chakraborty, Mahuya Sengupta

Study Type : Animal Study
Additional Links
Substances : Curcumin : CK(5598) : AC(2788), Curcuminoids : CK(6042) : AC(2905), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Pharmacological Actions : Immunostimulatory : CK(633) : AC(192), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Effect of differential thermal drying conditions on the immunomodulatory function of ginger.

Pubmed Data : J Microbiol Biotechnol. 2019 Jul 28 ;29(7):1053-1060. PMID: 31280523

Article Published Date : Jul 27, 2019

Authors : Ji Su Lee, Bomi Kim, Jae Hwan Kim, Minju Jeong, Seokwon Lim, Sanguine Byun

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475), Immunostimulatory : CK(633) : AC(192)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Mixed polysaccharides derived from Shiitake mushroom, Poriacocos, Ginger, and Tangerine peel enhanced protective immune responses in mice induced by inactivated influenza vaccine.

Pubmed Data : Biomed Pharmacother. 2020 Mar 12 ;126:110049. Epub 2020 Mar 12. PMID: 32172063

Article Published Date : Mar 11, 2020

Authors : Hongmei Zhu, Minghua Hu, Dehai Wang, Guowei Xu, Xiquan Yin, Xin Liu, Mingxing Ding, Li Han

Study Type : Animal Study
Additional Links
Substances : Fruit Peel : CK(5) : AC(3), Ginger : CK(1514) : AC(444), Medicinal Mushrooms : CK(1715) : AC(797), Shiitake Mushroom : CK(90) : AC(47)
Diseases : Influenza : CK(1407) : AC(288)
Pharmacological Actions : Immunomodulatory : CK(4048) : AC(1475), Immunostimulatory : CK(633) : AC(192)

Insulin Sensitizers (AC 8) (CK 56)

"6]-Gingerol isolated from ginger attenuates sodium arsenite induced oxidative stress and plays a corrective role in improving insulin signaling in mice."

Pubmed Data : Toxicol Lett. 2012 Jan 10 ;210(1):34-43. Epub 2012 Jan 10. PMID: 22285432

Article Published Date : Jan 10, 2012

Authors : Debrup Chakraborty, Avinaba Mukherjee, Sourav Sikdar, Avijit Paul, Samrat Ghosh, Anisur Rahman Khuda-Bukhsh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Arsenic Poisoning : CK(243) : AC(91), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Insulin Sensitizers : CK(1185) : AC(244)

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3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: 25719344

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Diabetes Mellitus: Type 2: Prevention : CK(1075) : AC(148), Hyperglycemia : CK(1494) : AC(453), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: 22314994

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Insulin Resistance : CK(3522) : AC(792), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15)

Ginger has a beneficial effect on insulin resistance associated with fructose consumption.

Pubmed Data : Planta Med. 2012 Jan 10. Epub 2012 Jan 10. PMID: 22234408

Article Published Date : Jan 10, 2012

Authors : Chia Ju Chang, Thing-Fong Tzeng, Yuan-Shiun Chang, I-Min Liu

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Insulin Sensitizers : CK(1185) : AC(244)
Problem Substances : Fructose : CK(458) : AC(133)

Ginger has a beneficial effect on type 2 diabetics.

Pubmed Data : Int J Food Sci Nutr. 2013 Mar 18. Epub 2013 Mar 18. PMID: 23496212

Article Published Date : Mar 17, 2013

Authors : Sepide Mahluji, Vahide Ebrahimzade Attari, Majid Mobasseri, Laleh Payahoo, Alireza Ostadrahimi, Samad Ej Golzari

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Insulin Resistance : CK(3522) : AC(792)
Pharmacological Actions : Insulin Sensitizers : CK(1185) : AC(244)

Ginger supplementation offers beneficial effects on patients with metabolic syndrome.

Pubmed Data : J Diabetes Metab Disord. 2019 Jun ;18(1):119-125. Epub 2019 Mar 22. PMID: 31275882

Article Published Date : May 31, 2019

Authors : Mehran Rahimlou, Zahra Yari, Elham Rayyani, Seyed Ali Keshavarz, Seyedahmad Hosseini, Nava Morshedzadeh, Azita Hekmatdoost

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Hypolipidemic : CK(5358) : AC(1221), Insulin Sensitizers : CK(1185) : AC(244)

This study found that that taking green tea, capsaicin and ginger co-supplements for 8 weeks among overweight women had beneficial effects on weight, BMI, markers of insulin metabolism and plasma glutathione levels.

Pubmed Data : Ann Nutr Metab. 2017 ;70(4):277-285. Epub 2017 Jun 9. PMID: 28595182

Article Published Date : Jan 01, 2017

Authors : Mohsen Taghizadeh, Narjes Farzin, Sara Taheri, Mahnaz Mahlouji, Hossein Akbari, Fatemeh Karamali, Zatollah Asemi

Study Type : Human Study

Additional Links
Substances : Capsaicin : CK(174) : AC(70), Ginger : CK(1514) : AC(444), Green Tea : CK(3450) : AC(1057), Tea : CK(3620) : AC(755)
Diseases : Insulin Resistance : CK(3522) : AC(792), Obesity : CK(6879) : AC(1686), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidant Effects : CK(15) : AC(4), Insulin Sensitizers : CK(1185) : AC(244)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)
Problem Substances : Insulin : CK(384) : AC(68)

This study indicated that in diabetic hemodialysis patients, ginger could result to lower blood glucose levels, enhanced insulin sensitivity.

Pubmed Data : BMC Complement Med Ther. 2023 Feb 17 ;23(1):52. Epub 2023 Feb 17. PMID: 36800950

Article Published Date : Feb 16, 2023

Authors : Helya Rostamkhani, Parisa Veisi, Bahram Niknafs, Mohammad Asghari Jafarabadi, Zohreh Ghoreishi

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Insulin Resistance : CK(3522) : AC(792), Kidney Failure: Chronic : CK(238) : AC(35)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244)
Problem Substances : Insulin : CK(384) : AC(68)

Insulin-releasing (AC 2) (CK 4)

Anti-diabetic activity of Zingiber officinale in streptozotocin-induced type I diabetic rats.

Pubmed Data : J Pharm Pharmacol. 2004 Jan ;56(1):101-5. PMID: 14980006

Article Published Date : Dec 31, 2003

Authors : Sanjay P Akhani, Santosh L Vishwakarma, Ramesh K Goyal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1: Prevention : CK(320) : AC(75), Hypertension : CK(6384) : AC(950)
Pharmacological Actions : Hypoglycemic Agents : CK(5366) : AC(1338), Insulin-releasing : CK(122) : AC(49)
Additional Keywords : Phytotherapy : CK(3062) : AC(812)
Problem Substances : Insulin : CK(384) : AC(68)

Dietary garlic and especially ginger have anti-diabetic effects.

Pubmed Data : J Med Food. 2008 Mar;11(1):152-9. PMID: 18361751

Article Published Date : Mar 01, 2008

Authors : Md Shahidul Islam, Haymie Choi

Study Type : Animal Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714)
Pharmacological Actions : Insulin-releasing : CK(122) : AC(49)
Additional Keywords : Insulinotrophic : CK(2) : AC(1)

Interleukin-1 beta downregulation (AC 14) (CK 26)

Anti-inflammatory and anti-thrombotic effects of zingerone in a rat model of myocardial infarction.

Pubmed Data : Eur J Pharmacol. 2016 Nov 15 ;791:595-602. Epub 2016 Aug 26. PMID: 27568839

Article Published Date : Nov 14, 2016

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Effects of Zingiber officinale extract supplementation on metabolic and genotoxic parameters in diet-induced obesity.

Pubmed Data : Br J Nutr. 2020 Dec 16:1-12. Epub 2020 Dec 16. PMID: 33323139

Article Published Date : Dec 15, 2020

Authors : Thaís Fernandes Luciano, Claudio Teodoro De Souza, Ricardo Aurino Pinho, Schérolin de Oliveira Marques, Gabriel Paulino Luiz, Natalia Dos Santos Tramontin, Paulo Cesar Lock da Silveira, Vanessa Moraes de Andrade, Alexandre Pastoris Muller

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: 30121057

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, HalilİIbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger improved trinitrobenzene sulphonic acid-induced colitis via modulation of NF-κB activity and IL-1β signalling pathway.

Pubmed Data : Food Chem. 2013 Jan 1 ;136(1):170-7. Epub 2012 Aug 10. PMID: 23017409

Article Published Date : Dec 31, 2012

Authors : Chien-Yun Hsiang, Hsin-Yi Lo, Hui-Chi Huang, Chia-Cheng Li, Shih-Lu Wu, Tin-Yun Ho

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Colitis : CK(840) : AC(406)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: **28904557**

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Complications : CK(3199) : AC(1009), Fibrosis : CK(207) : AC(100)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Ginger therapy efficiently ameliorated the severity of intestinal damage in necrotizing enterocolitis and may be a promising treatment option.

Pubmed Data : J Ethnopharmacol. 2018 Jul 10. Epub 2018 Jul 10. PMID: **30005955**

Article Published Date : Jul 09, 2018

Authors : Ufuk Cakir, Cuneyt Tayman, Utku Serkant, Halil Ibrahim Yakut, Esra Cakir, Ufuk Ates, Ismail Koyuncu, Eyyup Karaogul

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Necrotising enterocolitis : CK(214) : AC(32)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Protective effects of ginger root extract on Alzheimer disease-induced behavioral dysfunction in rats.

Pubmed Data : Rejuvenation Res. 2013 Apr ;16(2):124-33. PMID: **23374025**

Article Published Date : Mar 31, 2013

Authors : Gao-Feng Zeng, Zhi-Yong Zhang, Li Lu, De-Qiang Xiao, Shao-Hui Zong, Jian-Ming He

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Malondialdehyde Down-regulation : CK(2065) : AC(678), Neuroprotective Agents : CK(10404) : AC(4396), NF-kappaB Inhibitor : CK(3536) : AC(2098), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

These findings suggested that ginger and zingerone were likely to be broad-spectrum anti-inflammatory agents in most organs.

Pubmed Data : J Agric Food Chem. 2015 Jul 8 ;63(26):6051-8. Epub 2015 Jun 24. PMID: 26073629

Article Published Date : Jul 07, 2015

Authors : Chien-Yun Hsiang, Hui-Man Cheng, Hsin-Yi Lo, Chia-Cheng Li, Pei-Chi Chou, Yu-Chen Lee, Tin-Yun Ho

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Z. officinale paste could be used as natural spice and a potent antitumour agent.

Pubmed Data : Appl Biochem Biotechnol. 2016 Jul 19. Epub 2016 Aug 19. PMID: 27435276

Article Published Date : Jul 18, 2016

Authors : Sundararaj Rubila, Thottiam Vasudevan Ranganathan, Kunnathur Murugesan Sakthivel

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lymphoma: Dalton's : CK(5) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: 29587238

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yıldırım, Sefa Kucukler, Mehmet Akif Kılınc, Yavuz Selim Saglam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemoprotective Agents : CK(2322) : AC(906), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: 26698392

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: 29537332

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: 29117507

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Ultraviolet Radiation Induced Damage : CK(461) : AC(215)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Photoprotective : CK(446) : AC(198), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingiber officinale Roscoe rhizomes as a novel and interesting candidate for the management of neuropathic pain.

Pubmed Data : Phytomedicine. 2020 Nov ;78:153307. Epub 2020 Aug 19. PMID: 32846405

Article Published Date : Oct 31, 2020

Authors : Vittoria Borgonetti, Paolo Governa, Marco Biagi, Federica Pellati, Nicoletta Galeotti

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Interleukin-10 downregulation (AC 3) (CK 6)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: 30402094

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cadmium Poisoning : CK(306) : AC(152)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Ginger and turmeric rhizomes decreased the anti-inflammatory cytokines in hypertensive rats.

Pubmed Data : Planta Med. 2016 Mar 22. Epub 2016 Mar 22. PMID: 27002391

Article Published Date : Mar 21, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Thiago Duarte, Marta Duarte, Aline Augusti Boligon, Margareth Linde Athayde, Akintunde Afolabi Akindahunsi, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Hypertension : CK(6384) : AC(950), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: 30305562

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Adenosine deaminase inhibitor : CK(20) : AC(7), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Interleukin-2 Downregulation (AC 1) (CK 2)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: 30532634

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-2 Downregulation : CK(123) : AC(51), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Interleukin-4 downregulation (AC 1) (CK 1)

Zingiber mioga attenuates allergic asthma induced by ovalbumin challenge.

Pubmed Data : Mol Med Rep. 2015 Sep ;12(3):4538-4545. Epub 2015 Jun 11. PMID: 26063513

Article Published Date : Aug 31, 2015

Authors : Na-Rae Shin, In-Sik Shin, Chan-Mi Jeon, Ju-Mi Hong, Ok-Kyoung Kwon, Hui-Seong Kim, Sei-Ryang Oh, Kyu-Woung Hahn, Kyung-Seop Ahn

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Asthma : CK(2488) : AC(486), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : interleukin-13 down-regulation : CK(90) : AC(47), Interleukin-4 downregulation : CK(355) : AC(128), Interleukin-5 downregulation : CK(120) : AC(49), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Interleukin-5 downregulation (AC 1) (CK 1)

Zingiber mioga attenuates allergic asthma induced by ovalbumin challenge.

Pubmed Data : Mol Med Rep. 2015 Sep ;12(3):4538-4545. Epub 2015 Jun 11. PMID: 26063513

Article Published Date : Aug 31, 2015

Authors : Na-Rae Shin, In-Sik Shin, Chan-Mi Jeon, Ju-Mi Hong, Ok-Kyoung Kwon, Hui-Seong Kim, Sei-Ryang Oh, Kyu-Woung Hahn, Kyung-Seop Ahn

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Asthma : CK(2488) : AC(486), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : interleukin-13 down-regulation : CK(90) : AC(47), Interleukin-4 downregulation : CK(355) : AC(128), Interleukin-5 downregulation : CK(120) : AC(49), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Interleukin-6 Downregulation (AC 22) (CK 40)

A subcritical water extract of soil grown Zingiber officinale Roscoe: Comparative analysis of antioxidant and anti-inflammatory effects.

Pubmed Data : Front Pharmacol. 2023 ;14:1006265. Epub 2023 Feb 8. PMID: 36843947

Article Published Date : Dec 31, 2022

Authors : Azraul Mumtazah Razak, Siti Nor Asyikin Zakaria, Nur Fathiah Abdul Sani, Nazirah Ab Rani, Nur Haleeda

Hakimi, Mazlina Mohd Said, Jen Kit Tan, Han Kwang Gan, Mariam Firdhaus Mad Nordin, Suzana Makpol

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Anti-inflammatory and -apoptotic effects of a long-term herbal extract treatment on DSS-induced colitis.

Pubmed Data : Nutr Metab (Lond). 2021 Aug 11 ;18(1):77. Epub 2021 Aug 11. PMID: **34380504**

Article Published Date : Aug 10, 2021

Authors : Fatemeh Azizian-Farsani, Marcin Osuchowski, Navid Abedpoor, Farzad Seyed Forootan, Maryam Derakhshan, Mohammad Hossein Nasr-Esfahani, Mohammad Hasan Sheikhha, Kamran Ghaedi

Study Type : Animal Study
Additional Links
Substances : Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Colitis : CK(840) : AC(406)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Anti-inflammatory and anti-thrombotic effects of zingerone in a rat model of myocardial infarction.

Pubmed Data : Eur J Pharmacol. 2016 Nov 15 ;791:595-602. Epub 2016 Aug 26. PMID: **27568839**

Article Published Date : Nov 14, 2016

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ayurvedic polyherbal formulation in moderate SARS-CoV-2 infections and its impact on inflammatory biomarkers.

Pubmed Data : Phytother Res. 2022 Nov 23. Epub 2022 Nov 23. PMID: **36419388**

Article Published Date : Nov 22, 2022

Authors : Deepa Chitre, Satej Nadkarni, Namdev Jagtap, Rahul Tulle, Amol Gitte, Prashant Rahate, Sunetra Chaskar, Debendranath Dey

Study Type : In Vitro Study
Additional Links
Substances : Ashwagandha : CK(418) : AC(173), Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Coronavirus Infection : CK(1230) : AC(410)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: **30402094**

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cadmium Poisoning : CK(306) : AC(152)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: **30121057**

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, HaliIİbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: **28369951**

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastrointestinal Inflammation : CK(261) : AC(117)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Interleukin-8 downregulation : CK(581) : AC(231), NF-kappaB Inhibitor : CK(3536) : AC(2098), Postaglandin PGE2 downregulation : CK(202) : AC(110)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: **28904557**

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182), Diabetic Complications : CK(3199) : AC(1009), Fibrosis : CK(207) : AC(100)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994)

Ginger therapy efficiently ameliorated the severity of intestinal

damage in necrotizing enterocolitis and may be a promising treatment option.

Pubmed Data : J Ethnopharmacol. 2018 Jul 10. Epub 2018 Jul 10. PMID: 30005955

Article Published Date : Jul 09, 2018

Authors : Ufuk Cakir, Cuneyt Tayman, Utku Serkant, Halil Ibrahim Yakut, Esra Cakir, Ufuk Ates, Ismail Koyuncu, Eyyup Karaogul

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Necrotising enterocolitis : CK(214) : AC(32)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger's anti-inflammatory activity is mediated by inhibiting macrophage and neutrophils activation.

Pubmed Data : J Ethnopharmacol. 2017 Dec 15. Epub 2017 Dec 15. PMID: 29253614

Article Published Date : Dec 14, 2017

Authors : Shahira M Ezzat, Marwa I Ezzat, Mona M Okba, Esther T Menze, Ashraf B Abdel-Naim

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Postaglandin PGE2 downregulation : CK(202) : AC(110), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: 30305562

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Adenosine deaminase inhibitor : CK(20) : AC(7), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: 27544404

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Lipid Peroxidation : CK(1632) : AC(631)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis

Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

These findings suggest that a hydro-alcoholic extract of ginger is a potentially novel therapeutic strategy for inhibiting adhesion formation.

Pubmed Data : Evid Based Complement Alternat Med. 2023 ;2023:4086631. Epub 2023 Feb 21. PMID: **36865747**

Article Published Date : Dec 31, 2022

Authors : Roghayeh Yahyazadeh, Vafa Baradaran Rahimi, Seyed Ahmad Mohajeri, Milad Iranshahy, Ahmad Yahyazadeh, Maede Hasanpour, Mehrdad Iranshahi, Vahid Reza Askari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Abdominal Adhesions : CK(50) : AC(10), Colon Surgery : CK(31) : AC(8)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Glutathione Upregulation : CK(299) : AC(96), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: **29587238**

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yıldırım, Sefa Kucukler, Mehmet Akif Kılınc, Yavuz Selim Saglam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemoprotective Agents : CK(2322) : AC(906), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: **26698392**

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: **29537332**

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study
Additional Links

Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: **24412620**

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Lung Injury: Acute : CK(321) : AC(159)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone is a promising therapeutic treatment to attenuate diabetic nephropathy.

Pubmed Data : Biomed Pharmacother. 2018 Mar ;99:422-430. PMID: **29367111**

Article Published Date : Feb 28, 2018

Authors : Yan Cui, Yan Shi, Yan Bao, Shulong Wang, Qiuju Hua, Yun Liu

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone might be useful in the treatment of sepsis by targeting HMGB1.

Pubmed Data : Toxicol Appl Pharmacol. 2017 08 15 ;329:202-211. Epub 2017 Jun 10. PMID: **28610995**

Article Published Date : Jan 14, 2017

Authors : Wonhwa Lee, Sae-Kwang Ku, Jong-Sup Bae

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Endotoxemia : CK(219) : AC(91), Sepsis : CK(952) : AC(276)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: **30532634**

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856),

Interleukin-2 Downregulation : CK(123) : AC(51), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: **29117507**

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Ultraviolet Radiation Induced Damage : CK(461) : AC(215)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Photoprotective : CK(446) : AC(198), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingiber officinale Roscoe rhizomes as a novel and interesting candidate for the management of neuropathic pain.

Pubmed Data : Phytomedicine. 2020 Nov ;78:153307. Epub 2020 Aug 19. PMID: **32846405**

Article Published Date : Oct 31, 2020

Authors : Vittoria Borgonetti, Paolo Governa, Marco Biagi, Federica Pellati, Nicoletta Galeotti

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Interleukin-8 downregulation (AC 1) (CK 1)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: **28369951**

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastrointestinal Inflammation : CK(261) : AC(117)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Interleukin-8 downregulation : CK(581) : AC(231), NF-kappaB Inhibitor : CK(3536) : AC(2098), Postaglandin PGE2 downregulation : CK(202) : AC(110)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Leptin Down-Regulation (AC 1) (CK 2)

Clove and fermented ginger supplementation possesses anti-diabetic properties and may help in the control of hyperleptinaemia in type 2 diabetes.

Pubmed Data : Niger J Physiol Sci. 2018 Jun 30 ;33(1):89-93. Epub 2018 Jun 30. PMID: **30091738**

Article Published Date : Jun 29, 2018

Authors : A Abdulrazak, Y Tanko, A Mohammed, K A Mohammed, N M Sada, A Au Dikko

Study Type : Animal Study
Additional Links
Substances : Clove : CK(177) : AC(99), Fermented Foods and Beverages : CK(2588) : AC(607), Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Leptin: Elevated Levels : CK(36) : AC(14)
Pharmacological Actions : Leptin Down-Regulation : CK(23) : AC(8)

Malonaldehyde (MDA) Down-Regulation (AC 2) (CK 4)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: **22314994**

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 2 : CK(8552) : AC(1714), Insulin Resistance : CK(3522) : AC(792), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Insulin Sensitizers : CK(1185) : AC(244), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: **21689445**

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : ALT: Elevated : CK(70) : AC(11), AST: Elevated : CK(46) : AC(6), Liver Fibrosis : CK(560) : AC(253)
Pharmacological Actions : Glutathione Upregulation : CK(299) : AC(96), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15), Renoprotective : CK(2404) : AC(1075), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)

Malondialdehyde Down-regulation (AC 4) (CK 17)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: 30121057

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, HalilİIbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger supplementation with antitubercular treatment significantly lowered TNF alpha, ferritin and MDA concentrations.

Pubmed Data : J Complement Integr Med. 2016 Jun 1 ;13(2):201-6. PMID: 27089418

Article Published Date : May 31, 2016

Authors : Rashmi Anant Kulkarni, Ajit Ramesh Deshpande

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Tuberculosis : CK(686) : AC(141)
Therapeutic Actions : Integrative Medicine : CK(501) : AC(69)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Protective effects of ginger root extract on Alzheimer disease-induced behavioral dysfunction in rats.

Pubmed Data : Rejuvenation Res. 2013 Apr ;16(2):124-33. PMID: 23374025

Article Published Date : Mar 31, 2013

Authors : Gao-Feng Zeng, Zhi-Yong Zhang, Li Lu, De-Qiang Xiao, Shao-Hui Zong, Jian-Ming He

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Malondialdehyde Down-regulation : CK(2065) : AC(678), Neuroprotective Agents : CK(10404) : AC(4396), NF-kappaB Inhibitor : CK(3536) : AC(2098), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

These findings suggest that a hydro-alcoholic extract of ginger is a potentially novel therapeutic strategy for inhibiting adhesion formation.

Pubmed Data : Evid Based Complement Alternat Med. 2023 ;2023:4086631. Epub 2023 Feb 21. PMID: 36865747

Article Published Date : Dec 31, 2022

Authors : Roghayeh Yahyazadeh, Vafa Baradaran Rahimi, Seyed Ahmad Mohajeri, Milad Iranshahy, Ahmad Yahyazadeh, Maede Hasanpour, Mehrdad Iranshahi, Vahid Reza Askari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Abdominal Adhesions : CK(50) : AC(10), Colon Surgery : CK(31) : AC(8)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Glutathione Upregulation : CK(299) : AC(96), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Matrix metalloproteinase-2 (MMP-2) inhibitor (AC 3) (CK 4)

Evaluation of the combinatorial effect of Tinospora cordifolia and Zingiber officinale on human breast cancer cells.

Pubmed Data : 3 Biotech. 2019 Nov ;9(11):428. Epub 2019 Oct 29. PMID: **31696033**

Article Published Date : Oct 31, 2019

Authors : Gitanjali Javir, Kalpana Joshi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Guduchi : CK(93) : AC(21)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance Synergy : CK(1094) : AC(506)

Gingerol, a compound found within ginger, inhibits metastasis of human breast cancer cells.

Pubmed Data : J Nutr Biochem. 2008 May;19(5):313-9. Epub 2007 Aug 1. PMID: **17683926**

Article Published Date : May 01, 2008

Authors : Hyun Sook Lee, Eun Young Seo, Nam E Kang, Woo Kyung Kim

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer : CK(6327) : AC(2272), Cancer Metastasis : CK(798) : AC(431)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Antiproliferative : CK(6801) : AC(5032), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442)

Zingerone suppresses angiogenesis via inhibition of matrix metalloproteinases during tumor development.

Pubmed Data : Oncotarget. 2016 Jul 26 ;7(30):47232-47241. PMID: **27323807**

Article Published Date : Jul 25, 2016

Authors : Woom-Yee Bae, Jae-Sun Choi, Ja-Eun Kim, Chan Park, Joo-Won Jeong

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)

Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Cancers: All : CK(28241) : AC(10590), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)

Matrix metalloproteinase-9 (MMP-9) inhibitor (AC 4) (CK 5)

An extract of Z. cassumunar and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: 25840633

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Allergic Airway Diseases : CK(80) : AC(32), Allergies : CK(1381) : AC(280), Hypersensitivity: Respiratory : CK(12) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Enzyme Inhibitors : CK(692) : AC(347), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Evaluation of the combinatorial effect of Tinospora cordifolia and Zingiber officinale on human breast cancer cells.

Pubmed Data : 3 Biotech. 2019 Nov ;9(11):428. Epub 2019 Oct 29. PMID: 31696033

Article Published Date : Oct 31, 2019

Authors : Gitanjali Javir, Kalpana Joshi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Guduchi : CK(93) : AC(21)
Diseases : Breast Cancer : CK(6327) : AC(2272)
Pharmacological Actions : Anti-metastatic : CK(1972) : AC(1481), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance Synergy : CK(1094) : AC(506)

Zingerone suppresses angiogenesis via inhibition of matrix metalloproteinases during tumor development.

Pubmed Data : Oncotarget. 2016 Jul 26 ;7(30):47232-47241. PMID: 27323807

Article Published Date : Jul 25, 2016

Authors : Woom-Yee Bae, Jae-Sun Choi, Ja-Eun Kim, Chan Park, Joo-Won Jeong

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Cancers: All : CK(28241) : AC(10590), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(727) : AC(442), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505)

Zingiber mioga attenuates allergic asthma induced by ovalbumin challenge.

Pubmed Data : Mol Med Rep. 2015 Sep ;12(3):4538-4545. Epub 2015 Jun 11. PMID: 26063513

Article Published Date : Aug 31, 2015

Authors : Na-Rae Shin, In-Sik Shin, Chan-Mi Jeon, Ju-Mi Hong, Ok-Kyoung Kwon, Hui-Seong Kim, Sei-Ryang Oh, Kyu-Woung Hahn, Kyung-Seop Ahn

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Asthma : CK(2488) : AC(486), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : interleukin-13 down-regulation : CK(90) : AC(47), Interleukin-4 downregulation : CK(355) : AC(128), Interleukin-5 downregulation : CK(120) : AC(49), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

MicroRNA modulator (AC 3) (CK 4)

Ginger extract ameliorates obesity and inflammation.

Pubmed Data : Nutrients. 2018 Oct 23 ;10(11). Epub 2018 Oct 23. PMID: 30360535

Article Published Date : Oct 22, 2018

Authors : Seunghae Kim, Mak-Soon Lee, Sunyoon Jung, Hye-Yeon Son, Seonyoung Park, Bori Kang, Seog-Young Kim, In-Hwan Kim, Chong-Tai Kim, Yangha Kim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), MicroRNA modulator : CK(1023) : AC(618)

Osteogenic potential of zingerone, a phenolic compound in mouse mesenchymal stem cells.

Pubmed Data : Biofactors. 2019 May 15. Epub 2019 May 15. PMID: 31091349

Article Published Date : May 14, 2019

Authors : Narasimhan Srinaath, Kalimuthu Balagangadharan, Vikraman Pooja, Udhaykumar Paarkavi, Adhikari Trishla, Nagarajan Selvamurugan

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bone Diseases : CK(18) : AC(6)
Pharmacological Actions : MicroRNA modulator : CK(1023) : AC(618)
Additional Keywords : Mesenchymal Stem Cells : CK(13) : AC(7)

Zingiberene targets the miR-16/cyclin-B1 axis to regulate the growth, migration and invasion of human liver cancer cells.

Pubmed Data : J BUON. 2020 Jul-Aug;25(4):1904-1910. PMID: 33099931

Article Published Date : Jun 30, 2020

Authors : Xiulan Peng, Renfeng Luo, Jingtao Li, Anbing He, Xia Wang, Huan Wan, Yahong Cai, Weiguo Dong, Jun Lin

Study Type : In Vitro Study

Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancer Metastasis : CK(798) : AC(431), Liver Cancer : CK(2460) : AC(1189)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), MicroRNA modulator : CK(1023) : AC(618)

NF-kappaB Inhibitor (AC 21) (CK 43)

"Ginger extract (Zingiber officinale) has anti-cancer and anti-inflammatory effects on ethionine-induced hepatoma rats."

Pubmed Data : Clinics (Sao Paulo). 2008 Dec ;63(6):807-13. PMID: **19061005**

Article Published Date : Dec 01, 2008

Authors : Shafina Hanim Mohd Habib, Suzana Makpol, Noor Aini Abdul Hamid, Srijit Das, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer: Prevention : CK(207) : AC(41)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antineoplastic Agents : CK(1847) : AC(1170), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

6-Gingerol attenuates ventilator-induced lung injury via anti-inflammation and antioxidative stress.

Pubmed Data : Int Immunopharmacol. 2021 Mar ;92:107367. Epub 2021 Jan 15. PMID: **33461160**

Article Published Date : Feb 28, 2021

Authors : Wei Hong, Fang Xiang Zhi, Tu Han Kun, Feng Jie Hua, Li Huan Ling, Fang Fang, Chen Wen, Wang Jie, Li Chao Yang

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lung Injury: Acute : CK(321) : AC(159), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : NF-kappaB Inhibitor : CK(3536) : AC(2098)

Effect of ginger on inflammatory diseases.

Pubmed Data : Molecules. 2022 Oct 25 ;27(21). Epub 2022 Oct 25. PMID: **36364048**

Article Published Date : Oct 24, 2022

Authors : Pura Ballester, Begoña Cerdá, Raúl Arcusa, Javier Marhuenda, Karen Yamedjeu, Pilar Zafrilla

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Arthritis : CK(3858) : AC(899), Inflammation : CK(9572) : AC(3089), Psoriasis : CK(594) : AC(144)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Elucidating the beneficial effects of ginger in Parkinson's disease.

Pubmed Data : ACS Pharmacol Transl Sci. 2022 Oct 14 ;5(10):838-848. Epub 2022 Sep 7. PMID: **36268117**

Article Published Date : Oct 13, 2022

Authors : Efthalia Angelopoulou, Yam Nath Paudel, Sokratis G Papageorgiou, Christina Piperi

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Fermented ginger extract reduces the NF-kB-mediated activation of CXCR4 and enhances oxaliplatin-induced cytotoxicity in oxaliplatin-resistant CRC cells.

Pubmed Data : Antioxidants (Basel). 2022 Oct 19 ;11(10). Epub 2022 Oct 19. PMID: **36290780**

Article Published Date : Oct 18, 2022

Authors : Ko-Chao Lee, Kuen-Lin Wu, Shun-Fu Chang, Hsin-I Chang, Cheng-Nan Chen, Yih-Yuan Chen

Study Type : In Vitro Study
Additional Links
Substances : Fermented Foods and Beverages : CK(2588) : AC(607), Ginger : CK(1514) : AC(444)
Diseases : Cancers: Drug Resistant : CK(715) : AC(493), Colorectal Cancer : CK(3666) : AC(1651)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemosensitizer : CK(1124) : AC(854), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Chemotherapeutic Synergy: Oxaliplatin : CK(12) : AC(9)

Ginger can improve rheumatoid arthritis by decreasing disease manifestations in patients.

Pubmed Data : Gene. 2019 May 25 ;698:179-185. Epub 2019 Mar 4. PMID: **30844477**

Article Published Date : May 24, 2019

Authors : Naheed Aryaeian, Farhad Shahram, Mahdi Mahmoudi, Hajar Tavakoli, Bahman Yousefi, Tahereh Arablou, Sahar Jafari Karegar

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Rheumatoid Arthritis : CK(1546) : AC(328)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger contains the compound zerumbone, which inhibits colon and lung carcinogenesis in mice.

Pubmed Data : Int J Cancer. 2009 Jan 15;124(2):264-71. PMID: **19003968**

Article Published Date : Jan 15, 2009

Authors : Mihye Kim, Shingo Miyamoto, Yumiko Yasui, Takeru Oyama, Akira Murakami, Takuji Tanaka

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954), Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: **28369951**

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastrointestinal Inflammation : CK(261) : AC(117)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Interleukin-8 downregulation : CK(581) : AC(231), NF-kappaB Inhibitor : CK(3536) : AC(2098), Postaglandin PGE2 downregulation : CK(202) : AC(110)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger improved trinitrobenzene sulphonic acid-induced colitis via modulation of NF-κB activity and IL-1β signalling pathway.

Pubmed Data : Food Chem. 2013 Jan 1 ;136(1):170-7. Epub 2012 Aug 10. PMID: **23017409**

Article Published Date : Dec 31, 2012

Authors : Chien-Yun Hsiang, Hsin-Yi Lo, Hui-Chi Huang, Chia-Cheng Li, Shih-Lu Wu, Tin-Yun Ho

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Colitis : CK(840) : AC(406)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger inhibits micoglial cell activiation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: **19233241**

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain: Microglial Activation : CK(164) : AC(98), Brain Inflammation : CK(1101) : AC(567), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Nitric Oxide Inhibitor : CK(498) : AC(258), Prostaglandin Antagonists : CK(27) : AC(13)

Ginger root extract improves GI health in diabetic rats.

Pubmed Data : Nutrients. 2022 Oct 19 ;14(20). Epub 2022 Oct 19. PMID: **36297069**

Article Published Date : Oct 18, 2022

Authors : Rui Wang, Julianna Maria Santos, Jannette M Dufour, Emily R Stephens, Jonathan M Miranda, Rachel L Washburn, Taylor Hibler, Gurvinder Kaur, Dingbo Lin, Chwan-Li Shen

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes Mellitus: Type 1 : CK(1605) : AC(471)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Gingerol-enriched ginger supplementation mitigates neuropathic pain.

Pubmed Data : Front Pharmacol. 2022 ;13:912609. Epub 2022 Jul 8. PMID: **35873544**

Article Published Date : Dec 31, 2021

Authors : Chwan-Li Shen, Rui Wang, Vadim Yakhnitsa, Julianna Maria Santos, Carina Watson, Takaki Kiritoshi, Guangchen Ji, Abdul Naji Hamood, Volker Neugebauer

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Gut-brain Axis : CK(392) : AC(177)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: 25939344

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Rhabdomyosarcoma : CK(8) : AC(5)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance/Drug Synergy : CK(957) : AC(485), Significant Treatment Outcome : CK(3903) : AC(462)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: 20211236

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Aging : CK(3728) : AC(933), Cancers: All : CK(28241) : AC(10590), Cardiovascular Diseases : CK(12780) : AC(1983), Dementia : CK(1689) : AC(279), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Protective effects of ginger root extract on Alzheimer disease-induced behavioral dysfunction in rats.

Pubmed Data : Rejuvenation Res. 2013 Apr ;16(2):124-33. PMID: 23374025

Article Published Date : Mar 31, 2013

Authors : Gao-Feng Zeng, Zhi-Yong Zhang, Li Lu, De-Qiang Xiao, Shao-Hui Zong, Jian-Ming He

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Malondialdehyde Down-regulation : CK(2065) : AC(678), Neuroprotective Agents : CK(10404) : AC(4396), NF-kappaB Inhibitor : CK(3536) : AC(2098), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

The combination of ginger powder and zinc supplement improves the fructose-induced metabolic syndrome.

Pubmed Data : J Food Biochem. 2020 Nov 3:e13546. Epub 2020 Nov 3. PMID: 33145794

Article Published Date : Nov 02, 2020

Authors : Zana Ahmed Mustafa, Rojgar Hamed Ali, Dler Rostum Ali, Rahim Abdulkarimi, Nashwan K Abdulkareem, Abolfazl Akbari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zinc : CK(1486) : AC(267)
Diseases : High Fructose Diet : CK(383) : AC(147), Metabolic Syndrome X : CK(2073) : AC(376)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Hepatoprotective : CK(5098) : AC(2264), NF-kappaB Inhibitor : CK(3536) : AC(2098)

These findings suggested that ginger and zingerone were likely to be broad-spectrum anti-inflammatory agents in most organs.

Pubmed Data : J Agric Food Chem. 2015 Jul 8 ;63(26):6051-8. Epub 2015 Jun 24. PMID: 26073629

Article Published Date : Jul 07, 2015

Authors : Chien-Yun Hsiang, Hui-Man Cheng, Hsin-Yi Lo, Chia-Cheng Li, Pei-Chi Chou, Yu-Chen Lee, Tin-Yun Ho

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), NF-kappaB Inhibitor : CK(3536) : AC(2098)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: 29587238

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yıldırım, Sefa Kucukler, Mehmet Akif Kılınc, Yavuz Selim Saglam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemoprotective Agents : CK(2322) : AC(906), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: 26698392

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: 24412620

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Lung Injury: Acute : CK(321) : AC(159)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: **27293376**

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Angiogenic : CK(347) : AC(234), Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815), Vascular Endothelial Growth Factor Inhibitors : CK(435) : AC(247)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Neurogenesis (AC 1) (CK 5)

Indonesian ginger extract promotes neurogenesis of human neural stem cells.

Pubmed Data : Int J Mol Sci. 2020 Jul 5 ;21(13). Epub 2020 Jul 5. PMID: **32635647**

Article Published Date : Jul 04, 2020

Authors : Kazumi Hirano, Miwa Kubo, Yoshiyasu Fukuyama, Masakazu Namihira

Study Type : Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Pharmacological Actions : Neurogenesis : CK(215) : AC(109), Wnt/β-catenin signaling pathway modulation : CK(208) : AC(149)

Neuroprotective Agents (AC 25) (CK 47)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: **25811848**

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396), Nitric Oxide Inhibitor : CK(498) : AC(258)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: **25789481**

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Central Nervous System Diseases : CK(36) : AC(30), Cerebral Ischemia : CK(670) : AC(304)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Paradols : CK(1) : AC(1)

A combined plant extract WS-5 could be applied as a natural product therapy with a focus on neuroinflammation-related neurodegenerative disorders.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5160293. Epub 2019 Apr 1. PMID: **31057649**

Article Published Date : Dec 31, 2018

Authors : Ju Eun Kim, Abinash Chandra Shrestha, Hyo Shin Kim, Ha Neul Ham, Jun Hyeong Kim, Yeong Jee Kim, Yun Jeong Noh, Su Jin Kim, Dae Keun Kim, Hyung Kwon Jo, Dae Sung Kim, Kwang Hyun Moon, Jeong Ho Lee, Kyung Ok Jeong, Jae Yoon Leem

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Neuroprotective Agents : CK(10404) : AC(4396)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: **31531114**

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Aging : CK(3728) : AC(933), Alzheimer's Disease : CK(3372) : AC(1307), Hypertension : CK(6384) : AC(950), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396)

Alzheimer's disease drug discovery from herbs: neuroprotectivity from

beta-amyloid (1-42) insult.

Pubmed Data : J Altern Complement Med. 2007 Apr ;13(3):333-40. PMID: **17480132**

Article Published Date : Mar 31, 2007

Authors : Darrick S H L Kim, Jin-Yung Kim, Ye Sun Han

Study Type : In Vitro Study
Additional Links
Substances : Chinese Skullcap : CK(143) : AC(75), Ginger : CK(1514) : AC(444), Ginkgo biloba : CK(1071) : AC(269)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Blood-brain barrier permeability study of ginger constituents.

Pubmed Data : J Pharm Biomed Anal. 2019 Aug 19 ;177:112820. Epub 2019 Aug 19. PMID: **31476432**

Article Published Date : Aug 18, 2019

Authors : Alexandra Simon, András Darcsi, Ágnes Kéry, Eszter Riethmüller

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Blood Brain Barrier : CK(153) : AC(67)

Effect of a Boswellia and ginger mixture on the memory dysfunction of the mild traumatic brain injury patients.

Pubmed Data : Bull Emerg Trauma. 2022 ;10(4):157-164. PMID: **36568722**

Article Published Date : Dec 31, 2021

Authors : Omid Yousefi, Shahab Ghazi-Mirsaiid, Pouria Azami, Ghazal Karimi, Arash Mani, Amin Niakan, Hosseinali Khalili

Study Type : Human Study
Additional Links
Substances : Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444)
Diseases : Traumatic Brain Injury : CK(88) : AC(25)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Effect of combined extracts of aged garlic, ginger, and chili peppers on cognitive performance and brain antioxidant markers.

Pubmed Data : Exp Anim. 2020 Feb 11. Epub 2020 Feb 11. PMID: **32051390**

Article Published Date : Feb 10, 2020

Authors : Wanassanun Pannangrong, Jariya Umka Welbat, Amnard Chaichun, Bungorn Sripanidkulchai

Study Type : Animal Study
Additional Links
Substances : Chili pepper : CK(66) : AC(19), Garlic: Aged : CK(234) : AC(51), Ginger : CK(1514) : AC(444)
Diseases : Cognitive Decline/Dysfunction : CK(3236) : AC(654)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: **30402094**

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study
Additional Links

Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cadmium Poisoning : CK(306) : AC(152)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Elucidating the beneficial effects of ginger in Parkinson's disease.

Pubmed Data : ACS Pharmacol Transl Sci. 2022 Oct 14 ;5(10):838-848. Epub 2022 Sep 7. PMID: **36268117**

Article Published Date : Oct 13, 2022

Authors : Efthalia Angelopoulou, Yam Nath Paudel, Sokratis G Papageorgiou, Christina Piperi

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), NF-kappaB Inhibitor : CK(3536) : AC(2098)

Ginger has a neuroprotective effect in diabetic rats.

Pubmed Data : Food Chem Toxicol. 2010 Dec 22. Epub 2010 Dec 22. PMID: **21184796**

Article Published Date : Dec 22, 2010

Authors : Kondeti Ramudu Shanmugam, Korivi Mallikarjuna, Nishanth Kesireddy, Kesireddy Sathyavelu Reddy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Cognitive Dysfunction : CK(167) : AC(76)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Ginger mitigates damage and improves memory impairment in focal cerebral ischemia.

Pubmed Data : Evid Based Complement Alternat Med. 2011;2011:429505. Epub 2010 Dec 20. PMID: **21197427**

Article Published Date : Jan 01, 2011

Authors : Jintanaporn Wattanathorn, Jinatta Jittiwat, Terdthai Tongun, Supaporn Muchimapura, Kornkanok Ingkaninan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Damage : CK(129) : AC(60), Cerebral Ischemia : CK(670) : AC(304), Memory Disorders : CK(1067) : AC(339)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Ginger protects against dichlorvos and lindane induced oxidative stress in rat brain.

Pubmed Data : Pharmacognosy Res. 2012 Jan ;4(1):27-32. PMID: **22224058**

Article Published Date : Jan 01, 2012

Authors : Poonam Sharma, Rambir Singh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Damage : CK(129) : AC(60)
Pharmacological Actions : Glutathione Upregulation : CK(299) : AC(96), Neuroprotective Agents : CK(10404) : AC(4396), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)
Problem Substances : Dichlorvos : CK(15) : AC(8), Lindane : CK(2) : AC(1)

Ginger root extract has a neuroprotective effect against monosodium glutamate-induced toxicity in male rats.

Pubmed Data : Pak J Biol Sci. 2009 Feb 1;12(3):201-12. PMID: 19579948

Article Published Date : Feb 01, 2009

Authors : Abeer M Waggas

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Excitotoxicity : CK(59) : AC(36)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Long-term consumption of aromatic compounds from spices could be effective in the prevention of Alzheimer's disease.

Pubmed Data : Nat Prod Commun. 2016 Apr ;11(4):507-10. PMID: 27396206

Article Published Date : Mar 31, 2016

Authors : Shinichi Matsumura, Kazuya Murata, Yuri Yoshioka, Hideaki Matsuda

Study Type : In Vitro Study
Additional Links
Substances : Cardamom : CK(42) : AC(11), Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Long Pepper : CK(29) : AC(12), Turmeric : CK(7078) : AC(3169)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396), β-secretase Inhibitor : CK(1) : AC(1)

Memory and cognition enhancing effects of combination of Melissa officinalis and Panax ginseng.

Pubmed Data : Pak J Pharm Sci. 2023 Sep ;36(5(Special)):1609-1618. PMID: 38008959

Article Published Date : Aug 31, 2023

Authors : Hira Afshan, Humera Khatoon, Aisha Aziz, Mariam Arefa, Sheikh Abdul Khaliq, Nausheen Alam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Lemon Balm : CK(299) : AC(61)
Diseases : Cognitive Decline/Dysfunction : CK(3236) : AC(654), Memory Disorders : CK(1067) : AC(339)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Neuromodulatory effects of ethyl acetate fraction of Zingiber officinale Roscoe extract in rats with lead-induced oxidative stress.

Pubmed Data : J Integr Med. 2019 Jan 5. Epub 2019 Jan 5. PMID: 30660591

Article Published Date : Jan 04, 2019

Authors : Mary Abiola Okesola, Basiru Olaitan Ajiboye, Babatunji Emmanuel Oyinloye, Oluwafemi Adeleke Ojo

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lead Poisoning : CK(393) : AC(146)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Problem Substances : Lead : CK(526) : AC(162)

Neuroprotective role of 6-Gingerol-rich fraction of ginger against acrylonitrile-induced neurotoxicity.

Pubmed Data : J Basic Clin Physiol Pharmacol. 2018 Dec 22. Epub 2018 Dec 22. PMID: 30864424

Article Published Date : Dec 21, 2018

Authors : Ebenezer Olatunde Farombi, Amos Olalekan Abolaji, Babatunde Oluwafemi Adetuyi, Olaide Awosanya, Mobolaji Fabusoro

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Brain Damage : CK(129) : AC(60)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Nutraceuticals derived from such spices as turmeric, red pepper, black pepper, licorice, clove, ginger, garlic, coriander, and cinnamon target inflammatory pathways, thereby preventing neurodegenerative diseases.

Pubmed Data : Mol Neurobiol. 2011 Oct ;44(2):142-59. Epub 2011 Mar 1. PMID: **21360003**

Article Published Date : Oct 01, 2011

Authors : Ramaswamy Kannappan, Subash Chandra Gupta, Ji Hye Kim, Simone Reuter, Bharat Bhushan Aggarwal

Study Type : Review
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Cinnamon : CK(665) : AC(196), Clove : CK(177) : AC(99), Coriandor : CK(4) : AC(4), Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Licorice : CK(697) : AC(305), Red Pepper : CK(4) : AC(3)
Diseases : Inflammation : CK(9572) : AC(3089), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Nutritional implications of ginger: chemistry, biological activities and signaling pathways.

Pubmed Data : J Nutr Biochem. 2020 Aug 19 ;86:108486. Epub 2020 Aug 19. PMID: **32827666**

Article Published Date : Aug 18, 2020

Authors : Ryoiti Kiyama

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Endometriosis : CK(301) : AC(80), Menopausal Syndrome : CK(633) : AC(93), Osteoporosis : CK(2025) : AC(512), Polycystic Ovary Syndrome : CK(1093) : AC(163), Prostatic Hyperplasia : CK(22) : AC(3)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717), Neuroprotective Agents : CK(10404) : AC(4396), Osteoprotective : CK(971) : AC(351)

Potential role of ginger in the prevention of neurodegenerative diseases.

Pubmed Data : Front Nutr. 2022 ;9:809621. Epub 2022 Mar 18. PMID: **35369082**

Article Published Date : Dec 31, 2021

Authors : Raúl Arcusa, Débora Villaño, Javier Marhuenda, Miguel Cano, Begoña Cerdà, Pilar Zafrilla

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Ginger : CK(1514) : AC(444), Neurodegenerative Diseases : CK(8689) : AC(2653), Parkinson's Disease : CK(1838) : AC(659)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

Protective effects of ginger root extract on Alzheimer disease-induced behavioral dysfunction in rats.

Pubmed Data : Rejuvenation Res. 2013 Apr ;16(2):124-33. PMID: 23374025

Article Published Date : Mar 31, 2013

Authors : Gao-Feng Zeng, Zhi-Yong Zhang, Li Lu, De-Qiang Xiao, Shao-Hui Zong, Jian-Ming He

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Malondialdehyde Down-regulation : CK(2065) : AC(678), Neuroprotective Agents : CK(10404) : AC(4396), NF-kappaB Inhibitor : CK(3536) : AC(2098), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

The active ingredients in ginger have therapeutic potential in age-related neurological disorders.

Pubmed Data : Pharmacol Ther. 2018 Feb ;182:56-69. Epub 2017 Aug 24. PMID: 28842272

Article Published Date : Jan 31, 2018

Authors : Jin Gyu Choi, Sun Yeou Kim, Minsun Jeong, Myung Sook Oh

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)

The study clearly indicates a neuroprotective effect of ginger and propolis against MSG-induced neurodegenerative disorders.

Pubmed Data : Molecules. 2017 Nov 8 ;22(11). Epub 2017 Nov 8. PMID: 29117134

Article Published Date : Nov 07, 2017

Authors : Usama K Hussein, Nour El-Houda Y Hassan, Manal E A Elhalwagy, Amr R Zaki, Huda O Abubakr, Kalyan C Nagulapalli Venkata, Kyu Yun Jang, Anupam Bishayee

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Probiotics : CK(7680) : AC(1196)
Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396)
Problem Substances : Monosodium Glutamate (MSG) : CK(225) : AC(87)

Zingiber officinale ameliorates Alzheimer's disease and Cognitive Impairments.

Pubmed Data : Biomed Pharmacother. 2021 Jan ;133:111088. Epub 2020 Dec 15. PMID: 33378982

Article Published Date : Dec 31, 2020

Authors : Marjan Talebi, Selen İlgün, Vida Ebrahimi, Mohsen Talebi, Tahereh Farkhondeh, Hadi Ebrahimi, Saeed Samarghandian

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Cognitive Decline/Dysfunction : CK(3236) : AC(654)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Neuroprotective Agents : CK(10404) : AC(4396)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Nitric Oxide Inhibitor (AC 3) (CK 14)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: 25811848

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Neuroprotective Agents : CK(10404) : AC(4396), Nitric Oxide Inhibitor : CK(498) : AC(258)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger inhibits micoglial cell activiation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: 19233241

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain: Microglial Activation : CK(164) : AC(98), Brain Inflammation : CK(1101) : AC(567), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Nitric Oxide Inhibitor : CK(498) : AC(258), Prostaglandin Antagonists : CK(27) : AC(13)

Ginger powder supplementation can reduce inflammatory markers in patients with knee osteoarthritis.

Pubmed Data : J Tradit Complement Med. 2016 Jul ;6(3):199-203. Epub 2015 Jan 28. PMID: 27419081

Article Published Date : Jun 30, 2016

Authors : Zahra Naderi, Hassan Mozaffari-Khosravi, Ali Dehghan, Azadeh Nadjarzadeh, Hassan Fallah Huseini

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : C-Reactive Protein : CK(3134) : AC(310), Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Nitric Oxide Inhibitor : CK(498) : AC(258)

Nrf2 activation (AC 4) (CK 7)

6-gingerol alleviates ferroptosis and inflammation of diabetic cardiomyopathy.

Pubmed Data : Oxid Med Cell Longev. 2022 ;2022:3027514. Epub 2022 Dec 31. PMID: 36624878

Article Published Date : Dec 31, 2021

Authors : Shenglin Wu, Jinxiu Zhu, Guihai Wu, Zuoqi Hu, Pengxiang Ying, Zhijun Bao, Zipeng Ding, Xuerui Tan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)

Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetes: Cardiovascular Illness : CK(707) : AC(111)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Heme oxygenase-1 up-regulation : CK(624) : AC(373), Nrf2 activation : CK(1584) : AC(916)

A phenolics rich extract of ginger had protective effects against Aflatoxin B1-induced oxidative stress and hepatotoxicity.

Pubmed Data : Biomed Pharmacother. 2017 May 2 ;91:415-424. Epub 2017 May 2. PMID: 28475920

Article Published Date : May 01, 2017

Authors : Vipin A V, Raksha Rao K, Nawneet Kumar Kurrey, Anu Appaiah K A, Venkateswaran G

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Liver Damage: Aflatoxin-Induced : CK(72) : AC(30)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Heme oxygenase-1 inducer : CK(57) : AC(39), Hepatoprotective : CK(5098) : AC(2264), Nrf2 activation : CK(1584) : AC(916)
Problem Substances : Aflatoxin : CK(56) : AC(8)

Bioactive compounds isolated from apple, tea, and ginger protect against dicarbonyl induced stress in cultured human retinal epithelial cells.

Pubmed Data : Phytomedicine. 2016 Feb 15 ;23(2):200-13. Epub 2016 Jan 5. PMID: 26926182

Article Published Date : Feb 14, 2016

Authors : Chethan Sampath, Yingdong Zhu, Shengmin Sang, Mohamed Ahmedna

Study Type : In Vitro Study
Additional Links
Substances : Apple Polyphenols : CK(175) : AC(62), EGCG (Epigallocatechin gallate) : CK(1091) : AC(605), Ginger : CK(1514) : AC(444)
Diseases : Advanced Glycation End products (AGE) : CK(440) : AC(176), Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Glycation Agents : CK(197) : AC(100), Antioxidants : CK(21528) : AC(8856), Nrf2 activation : CK(1584) : AC(916)

Ginger extract ameliorates bisphenol A induced disruption in thyroid hormones synthesis and metabolism.

Pubmed Data : Sci Total Environ. 2019 Nov 3:134664. Epub 2019 Nov 3. PMID: 31757552

Article Published Date : Nov 02, 2019

Authors : Eman T Mohammed, Khalid S Hashem, Amr E Ahmed, Mohamed Tarek Aly, Lotfi Aleya, Mohamed M Abdel-Daim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bisphenol Toxicity : CK(2930) : AC(882)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Heme oxygenase-1 up-regulation : CK(624) : AC(373), Nrf2 activation : CK(1584) : AC(916)
Problem Substances : Bisphenol A : CK(3250) : AC(951)

Osteoprotective (AC 3) (CK 12)

Current status of top 10 nutraceuticals used for Knee Osteoarthritis in

India.

Pubmed Data : J Clin Orthop Trauma. 2018 Oct-Dec;9(4):338-348. Epub 2018 Jul 20. PMID: 30449982

Article Published Date : Sep 30, 2018

Authors : Raju Vaishya, Amit Kumar Agarwal, Amish Shah, Vipul Vijay, Abhishek Vaish

Study Type : Review
Additional Links
Substances : Chondroitin Sulfate : CK(48) : AC(10), Curcumin : CK(5598) : AC(2788), Fish Oil : CK(879) : AC(152), Frankincense : CK(513) : AC(125), Ginger : CK(1514) : AC(444), Glucosamine : CK(116) : AC(22), Green Tea : CK(3450) : AC(1057)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Osteoprotective : CK(971) : AC(351)

Hemp seed oil in association with β-caryophyllene, myrcene and ginger extract as a nutraceutical integration in knee osteoarthritis.

Pubmed Data : Medicina (Kaunas). 2023 Jan 18 ;59(2). Epub 2023 Jan 18. PMID: 36837393

Article Published Date : Jan 17, 2023

Authors : Giacomo Farì, Marisa Megna, Salvatore Scacco, Maurizio Ranieri, Maria Vittoria Raele, Enrica Chiaia Noya, Dario Macchiarola, Francesco Paolo Bianchi, Davide Carati, Simona Panico, Eleonora Di Campi, Antonio Gnoni, Venera Scacco, Alessio Danilo Inchingolo, Erda Qorri, Antonio Scarano, Biagio Rapone

Study Type : Human Study
Additional Links
Substances : Beta-Caryophyllene : CK(2) : AC(1), Ginger : CK(1514) : AC(444), Hemp Seed : CK(92) : AC(45)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Osteoprotective : CK(971) : AC(351)

Nutritional implications of ginger: chemistry, biological activities and signaling pathways.

Pubmed Data : J Nutr Biochem. 2020 Aug 19 ;86:108486. Epub 2020 Aug 19. PMID: 32827666

Article Published Date : Aug 18, 2020

Authors : Ryoiti Kiyama

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alzheimer's Disease : CK(3372) : AC(1307), Endometriosis : CK(301) : AC(80), Menopausal Syndrome : CK(633) : AC(93), Osteoporosis : CK(2025) : AC(512), Polycystic Ovary Syndrome : CK(1093) : AC(163), Prostatic Hyperplasia : CK(22) : AC(3)
Pharmacological Actions : Chemopreventive : CK(5374) : AC(1717), Neuroprotective Agents : CK(10404) : AC(4396), Osteoprotective : CK(971) : AC(351)

P21 Activation (AC 1) (CK 5)

Zerumbone was able to induce apoptosis of pancreatic carcinoma cell lines

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:936030. Epub 2012 Jan 29. PMID: 22454691

Article Published Date : Jan 01, 2012

Authors : Songyan Zhang, Qiaojing Liu, Yanju Liu, Hong Qiao, Yu Liu

Study Type : Human In Vitro
Additional Links

Substances : Ginger : CK(1514) : AC(444), Zerumbone : CK(95) : AC(63)
Diseases : Pancreatic Cancer : CK(1307) : AC(451)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Caspase-3 Activation : CK(137) : AC(90), P21 Activation : CK(160) : AC(119), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Zerumbone : CK(5) : AC(1)

Paraptosis (AC 1) (CK 1)

Ginger extract activates caspase independent paraptosis in cancer cells.

Pubmed Data : Nutr Cancer. 2019 Nov 5:1-13. Epub 2019 Nov 5. PMID: 31690139

Article Published Date : Nov 04, 2019

Authors : Divya Nedungadi, Anupama Binoy, Vivek Vinod, Muralidharan Vanuopadath, Sudarslal Sadasivan Nair, Bipin G Nair, Nandita Mishra

Study Type : In Vitro Study
Additional Links
Substances : 6-Shogaol : CK(101) : AC(66), Ginger : CK(1514) : AC(444)
Diseases : Breast Cancer: Triple Negative : CK(708) : AC(466)
Pharmacological Actions : Paraptosis : CK(14) : AC(14)

Phase II Detoxification Enzyme Inducer (AC 1) (CK 1)

Ginger contains the compound zerumbone, which may have chemopreventive activity through activating phase II drug metabolizing enzymes.

Pubmed Data : FEBS Lett. 2004 Aug 13;572(1-3):245-50. PMID: 15304356

Article Published Date : Aug 13, 2004

Authors : Yoshimasa Nakamura, Chiho Yoshida, Akira Murakami, Hajime Ohigashi, Toshihiko Osawa, Koji Uchida

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Antioxidants : CK(21528) : AC(8856), Phase II Detoxification Enzyme Inducer : CK(95) : AC(52)

Photoprotective (AC 1) (CK 1)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: 29117507

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Ultraviolet Radiation Induced Damage : CK(461) : AC(215)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Photoprotective : CK(446) : AC(198), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Postaglandin PGE2 downregulation (AC 3) (CK 13)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: 28369951

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Gastrointestinal Inflammation : CK(261) : AC(117)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Interleukin-8 downregulation : CK(581) : AC(231), NF-kappaB Inhibitor : CK(3536) : AC(2098), Postaglandin PGE2 downregulation : CK(202) : AC(110)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger's anti-inflammatory activity is mediated by inhibiting macrophage and neutrophils activation.

Pubmed Data : J Ethnopharmacol. 2017 Dec 15. Epub 2017 Dec 15. PMID: 29253614

Article Published Date : Dec 14, 2017

Authors : Shahira M Ezzat, Marwa I Ezzat, Mona M Okba, Esther T Menze, Ashraf B Abdel-Naim

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Postaglandin PGE2 downregulation : CK(202) : AC(110), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Herbal formulation turmeric extract, black pepper, and ginger versus naproxen for chronic knee osteoarthritis.

Pubmed Data : Phytother Res. 2020 Aug ;34(8):2067-2073. Epub 2020 Mar 16. PMID: 32180294

Article Published Date : Jul 31, 2020

Authors : Motahar Heidari-Beni, Amir R Moravejolahkami, Pegah Gorgian, Gholamreza Askari, Mohammad J Tarrahi, Nimah Bahreini-Esfahani

Study Type : Human Study
Additional Links
Substances : Black Pepper : CK(714) : AC(307), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Osteoarthritis: Knee : CK(1329) : AC(146)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Postaglandin PGE2 downregulation : CK(202) : AC(110)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479)

Prophylactic Agents (AC 1) (CK 2)

Ginger extract improved antioxidant enzymes activity and reduced tHcy and MDA levels.

Pubmed Data : Iran J Med Sci. 2016 May ;41(3 Suppl):S71. PMID: 27840537

Article Published Date : Apr 30, 2016

Authors : Abolfazl Akbari, Khadijeh Nasiri, Mojtaba Heydari, Seyed Hamdollah Mosavat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Alcohol Toxicity : CK(855) : AC(332)
Pharmacological Actions : Prophylactic Agents : CK(780) : AC(182)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Prostaglandin Antagonists (AC 1) (CK 2)

Ginger inhibits micoglial cell activiation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: 19233241

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain: Microglial Activation : CK(164) : AC(98), Brain Inflammation : CK(1101) : AC(567), Inflammation : CK(9572) : AC(3089), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Neurodegenerative Diseases : CK(8689) : AC(2653)
Pharmacological Actions : Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Nitric Oxide Inhibitor : CK(498) : AC(258), Prostaglandin Antagonists : CK(27) : AC(13)

Proton Pump Inhibitor (AC 1) (CK 2)

Ginger has a gastroprotective effect through its acid blocking and anti-Helico bacter pylori activity.

Pubmed Data : Evid Based Complement Alternat Med. 2009 Jul 1. PMID: 19570992

Article Published Date : Jul 01, 2009

Authors : Siddaraju M Nanjundaiah, Harish Nayaka Mysore Annaiah, Shylaja M Dharmesh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Acid Reflux : CK(389) : AC(52), Gastroesophageal Reflux : CK(389) : AC(52), Helicobacter Pylori Infection : CK(966) : AC(207)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Proton Pump Inhibitor : CK(38) : AC(14)
Additional Keywords : Natural Substances Versus Drugs : CK(2375) : AC(479), Prevacid (Lansoprazole) Alternatives : CK(6) : AC(3)

Quorum Sensing Inhibition (AC 1) (CK 1)

Zingerone silences quorum sensing and attenuates virulence of Pseudomonas aeruginosa.

Pubmed Data : Fitoterapia. 2015 Apr ;102:84-95. Epub 2015 Feb 20. PMID: 25704369

Article Published Date : Mar 31, 2015

Authors : Lokender Kumar, Sanjay Chhibber, Rajnish Kumar, Manoj Kumar, Kusum Harjai

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Pseudomonas aeruginosa : CK(304) : AC(238)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Quorum Sensing Inhibition : CK(49) : AC(49)

Radioprotective (AC 8) (CK 12)

Ameliorative and protective effects of ginger and its main constituents against natural, chemical and radiation-induced toxicities.

Pubmed Data : Food Chem Toxicol. 2018 Oct 22 ;123:72-97. Epub 2018 Oct 22. PMID: 30352300

Article Published Date : Oct 21, 2018

Authors : Muhammad A Alsherbiny, Wessam H Abd-Elsalam, Shymaa A El Badawy, Ehab Taher, Mohamed Fares, Allan Torres, Dennis Chang, Chun Guang Li

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Chemoprotective Agents : CK(2322) : AC(906), Radioprotective : CK(1668) : AC(521)

Cardioprotective effect of zingerone against oxidative stress,

inflammation, and apoptosis induced by cisplatin or gamma radiation.

Pubmed Data : Naunyn Schmiedebergs Arch Pharmacol. 2018 May 7. Epub 2018 May 7. PMID: 29736620

Article Published Date : May 06, 2018

Authors : Ahmed F Soliman, Lobna M Anees, Doaa M Ibrahim

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Cardioprotective : CK(5377) : AC(1675), Chemoprotective Agents : CK(2322) : AC(906), Radioprotective : CK(1668) : AC(521)

Ginger exhibits behavioral radioprotection against radiation-induced taste aversion.

Pubmed Data : Pharmacol Biochem Behav. 2006 Jun;84(2):179-88. Epub 2006 Jun 21. PMID: 16797061

Article Published Date : Jun 01, 2006

Authors : Anupum Haksar, Ashok Sharma, Raman Chawla, Raj Kumar, Rajesh Arora, Surender Singh, J Prasad, M Gupta, R P Tripathi, M P Arora, F Islam, R K Sharma

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Radioprotective : CK(1668) : AC(521)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger has therapeutic properties relevant to cancer treatment.

Pubmed Data : J BUON. 2011 Jul-Sep;16(3):414-24. PMID: 22006742

Article Published Date : Jul 01, 2011

Authors : M M Pereira, R Haniadka, P P Chacko, P L Palatty, M S Baliga

Study Type : Review
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cancers: All : CK(28241) : AC(10590), Cancers: Drug Resistant : CK(715) : AC(493)
Pharmacological Actions : Anticarcinogenic Agents : CK(1890) : AC(889), Chemosensitizer : CK(1124) : AC(854), Radioprotective : CK(1668) : AC(521)

Ginger protects mice against radiation-induced lethality.

Pubmed Data : Cancer Biother Radiopharm. 2004 Aug;19(4):422-35. PMID: 15453957

Article Published Date : Aug 01, 2004

Authors : Ganesh Jagetia, Manjeshwar Baliga, Ponemone Venkatesh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Oxidative Stress : CK(9437) : AC(3550), Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Radioprotective : CK(1668) : AC(521)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Modulatory effect of zingerone against cisplatin or γ-irradiation induced hepatotoxicity by molecular targeting regulation.

Pubmed Data : Appl Radiat Isot. 2019 Sep 10 ;154:108891. Epub 2019 Sep 10. PMID: 31536909

Article Published Date : Sep 09, 2019

Authors : Hebatallah E Mohamed, Monda M M Badawy

Study Type : In Vitro Study

Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy and Radiation Toxicity : CK(2326) : AC(570), Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Hepatoprotective : CK(5098) : AC(2264), Radioprotective : CK(1668) : AC(521)

These results are supportive of use of ginger essential oil as a potential radioprotective compound.

Pubmed Data : Asian Pac J Cancer Prev. 2016 ;17(3):1325-32. PMID: **27039766**

Article Published Date : Dec 31, 2015

Authors : Kottarapat Jeena, Vijayasteltar B Liju, Viswanathan Ramanath, Ramadasan Kuttan

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Radioprotective : CK(1668) : AC(521)
Additional Keywords : Essential Oils : CK(736) : AC(311)

This study demonstrates the protective effect of zingerone against radiation induced DNA damage and antiapoptotic effect in human lymphocytes.

Pubmed Data : Eur J Pharmacol. 2011 Apr 25 ;657(1-3):59-66. Epub 2011 Feb 16. PMID: **21335001**

Article Published Date : Apr 24, 2011

Authors : Bhuvanagiri Nageshwar Rao, Parampalli Raghavendra Archana, Balkudru Kiran Aithal, Bola Sadashiva Satish Rao

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : DNA damage : CK(1997) : AC(713), Radiation Induced Illness : CK(1302) : AC(351)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Radioprotective : CK(1668) : AC(521)

Regenerative (AC 1) (CK 1)

Zingiber Officinale prevents cellular senescence of myoblasts in culture and promotes muscle regeneration.

Pubmed Data : Evid Based Complement Alternat Med. 2020 ;2020:1787342. Epub 2020 Apr 29. PMID: **32419792**

Article Published Date : Dec 31, 2019

Authors : Nur Fatin Nabilah Mohd Sahardi, Faizul Jaafar, Mariam Firdhaus Mad Nordin, Suzana Makpol

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Pharmacological Actions : Regenerative : CK(408) : AC(172)
Additional Keywords : Muscle Regeneration : CK(4) : AC(2)

Renoprotective (AC 15) (CK 30)

A compound in ginger known as 6-Gingerol prevents cisplatin-induced acute renal failure in rats.

Pubmed Data : J Agric Food Chem. 2005 Apr 6;53(7):2446-50. PMID: 16971750

Article Published Date : Apr 06, 2005

Authors : Anurag Kuhad, Naveen Tirkey, Sangeeta Pilkhwal, Kanwaljit Chopra

Study Type : Animal Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Antineoplastic Agents : CK(1847) : AC(1170), Renoprotective : CK(2404) : AC(1075)

A spice mixture containing garlic, ginger and nutmeg possesses both therapeutic and prophylactic effect against Cd-induced organ damage.

Pubmed Data : Adv Pharm Bull. 2016 Jun ;6(2):271-4. Epub 2016 Jun 30. PMID: 27478792

Article Published Date : May 31, 2016

Authors : Emmanuel Ike Ugwuja, Omotayo O Erejuwa, Nicholas C Ugwu

Study Type : Animal Study
Additional Links
Substances : Garlic : CK(2080) : AC(691), Ginger : CK(1514) : AC(444), Nutmeg : CK(49) : AC(32)
Diseases : Cadmium Poisoning : CK(306) : AC(152)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)

Ameliorative Potentials of Ginger (Z. officinale Roscoe) on Relative Organ Weights in Streptozotocin induced Diabetic Rats.

Pubmed Data : Int J Biomed Sci. 2013 Jun ;9(2):82-90. PMID: 23847458

Article Published Date : May 31, 2013

Authors : C O Eleazu, M Iroaganachi, P N Okafor, I I Ijeh, K C Eleazu

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Kidney Function : CK(84) : AC(27), Diabetes Mellitus: Type 1 : CK(1605) : AC(471), Diabetic Glomerular Hypertrophy : CK(2) : AC(1)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)

Galangin significantly ameliorated cisplatin induced nephrotoxicity by suppressing MAPK induced inflammation and apoptosis.

Pubmed Data : Phytomedicine. 2017 Oct 15 ;34:154-161. Epub 2017 Jun 15. PMID: 28899498

Article Published Date : Oct 14, 2017

Authors : Ameesha Tomar, Swati Vasisth, Sana Irfan Khan, Salma Malik, Tapas Chandra Nag, Dharamveer Singh Arya, Jagriti Bhatia

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Renoprotective : CK(2404) : AC(1075)

Ginger and arabic gum may have therapeutic value in acute and

chronic kidney failure.

Pubmed Data : Ren Fail. 2012 ;34(1):73-82. Epub 2011 Oct 21. PMID: 22017619

Article Published Date : Jan 01, 2012

Authors : Mona Fouad Mahmoud, Abdalla Ahmed Diaai, Fahmy Ahmed

Study Type : Animal Study
Additional Links
Substances : Arabic gum : CK(14) : AC(3), Ginger : CK(1514) : AC(444)
Diseases : Kidney Failure : CK(334) : AC(52), Kidney Failure: Acute : CK(63) : AC(14), Kidney Failure: Chronic : CK(238) : AC(35)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)

Ginger and zinc mixture protected against malathion induced toxicity to the liver and kidney.

Pubmed Data : Int J Immunopathol Pharmacol. 2015 Mar ;28(1):122-8. PMID: 25816415

Article Published Date : Feb 28, 2015

Authors : Ahmed A Baiomy, Hossam F Attia, Mohamed M Soliman, Omar Makrum

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zinc : CK(1486) : AC(267)
Diseases : Chemical Exposure : CK(93) : AC(28), Chemically-Induced Liver Damage : CK(1565) : AC(721), Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Additional Keywords : Malathion Toxicity : CK(2) : AC(1), Zinc Chloride : CK(2) : AC(1)

Ginger extracts could have a potent protective effects against nephrotoxicity induced by various toxicants.

Pubmed Data : Saudi J Biol Sci. 2019 Feb ;26(2):382-389. Epub 2017 Aug 18. PMID: 31485182

Article Published Date : Jan 31, 2019

Authors : Sami A Gabr, Ahmad H Alghadir, Gehan A Ghoniem

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Cadmium : CK(383) : AC(148)

Ginger has a protective effect against kidney damage associated with diabetes.

Pubmed Data : Chin J Physiol. 2011 Apr 30 ;54(2):79-86. PMID: 21789888

Article Published Date : Apr 30, 2011

Authors : Shanmugam Kondeti Ramudu, Mallikarjuna Korivi, Nishanth Kesireddy, Li-Chen Lee, I-Shiung Cheng, Chia-Hua Kuo, Sathyavelu Reddy Kesireddy

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Kidney Function : CK(84) : AC(27), Kidney Damage : CK(458) : AC(200)
Pharmacological Actions : Renoprotective : CK(2404) : AC(1075)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: 21689445

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : ALT: Elevated : CK(70) : AC(11), AST: Elevated : CK(46) : AC(6), Liver Fibrosis : CK(560) : AC(253)
Pharmacological Actions : Glutathione Upregulation : CK(299) : AC(96), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15), Renoprotective : CK(2404) : AC(1075), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)

Ginger showed a protection role in glyphosate-induced liver and kidney dysfunction, oxidative stress, immunosuppression in Nile tilapia.

Pubmed Data : Vet Res Commun. 2022 Jun 30. Epub 2022 Jun 30. PMID: **35773603**

Article Published Date : Jun 29, 2022

Authors : Afaf D Abdelmagid, Alshaimaa M Said, Eman A Abd El-Gawad, Sara A Shalaby, Mahmoud A O Dawood

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemically-Induced Liver Damage : CK(1565) : AC(721), Glyphosate Toxicity : CK(394) : AC(151), Kidney Damage: Chemically-Induced : CK(25) : AC(13), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Glyphosate : CK(895) : AC(304)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: **30305562**

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Adenosine deaminase inhibitor : CK(20) : AC(7), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Protective effect of quercetin and ginger extract against dimethoate potentiated fluoride-induced nephrotoxicity.

Pubmed Data : Foods. 2023 May 5 ;12(9). Epub 2023 May 5. PMID: **37174437**

Article Published Date : May 04, 2023

Authors : Priyanka Sharma, Pawan Kumar Verma, Shilpa Sood, Rasia Yousuf, Amit Kumar, Rajinder Raina, Muhammad Asim Shabbir, Zuhaib F Bhat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Quercetin : CK(1179) : AC(590)
Diseases : Fluoride Toxicity : CK(306) : AC(114), Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Sodium Fluoride : CK(331) : AC(122)

Zingerone can be used as an effective therapeutic agent for the treatment of drug-induced nephrotoxicity.

Pubmed Data : Oxid Med Cell Longev. 2018 ;2018:2474831. Epub 2018 Jan 30. PMID: **29636837**

Article Published Date : Dec 31, 2017

Authors : Mohammed M Safhi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone has nephroprotective effects in cisplatin rat model of nephrotoxicity.

Pubmed Data : Biomed Pharmacother. 2018 Sep ;105:225-232. Epub 2018 May 30. PMID: 29857302

Article Published Date : Aug 31, 2018

Authors : Tuba Alibakhshi, Mohammad Javad Khodayar, Layasadat Khorsandi, Mohammad Rashno, Leila Zeidooni

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Chemoprotective Agents : CK(2322) : AC(906), Renoprotective : CK(2404) : AC(1075)

Zingiber officinale extract and 6-gingerol provide protection against acute mercuric chloride-intoxication.

Pubmed Data : Biomed Pharmacother. 2017 May 8 ;91:645-655. Epub 2017 May 8. PMID: 28494418

Article Published Date : May 07, 2017

Authors : Deepmala Joshi, Sunil Kumar Srivastav, Sateesh Belemkar, Vaibhav A Dixit

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Mercury Poisoning : CK(449) : AC(136)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Hepatoprotective : CK(5098) : AC(2264), Renoprotective : CK(2404) : AC(1075)
Problem Substances : Mercury : CK(808) : AC(185)

Scolicidal (AC 1) (CK 1)

Turmeric and ginger extracts have high scolicidal activity and could be used as effective scolicidal agents against Echinococcus protoscoleces.

Pubmed Data : Saudi J Biol Sci. 2017 Jan ;24(1):90-94. Epub 2016 May 14. PMID: 28053576

Article Published Date : Dec 31, 2016

Authors : Esam Almalki, Esam M Al-Shaebi, Saleh Al-Quarishy, Mansour El-Matbouli, Abdel-Azeem S Abdel-Baki

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Echinococcosis : CK(2) : AC(2)
Pharmacological Actions : Scolicidal : CK(4) : AC(4)

Spermatogenic (AC 2) (CK 4)

Combined ginger and cinnamon have significant beneficial effects on the sperm viability, motility, and serum total testosterone, LH,FSH and serum anti-oxidants level

Pubmed Data : Afr J Tradit Complement Altern Med. 2014 ;11(4):1-8. Epub 2014 Jun 4. PMID: 25392573

Article Published Date : Dec 31, 2013

Authors : Arash Khaki, Amir Afshin Khaki, Laleh Hajhosseini, Farhad Sadeghpour Golzar, Nava Ainehchi

Study Type : Animal Study
Additional Links
Substances : Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Spermatogenic : CK(34) : AC(12)

Protective effect of zingerone against mouse testicular damage induced by zinc oxide nanoparticles.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jul 3. Epub 2019 Jul 3. PMID: 31270769

Article Published Date : Jul 02, 2019

Authors : Zeinab Rafiee, Layasadat Khorsandi, Fereshteh Nejad-Dehbashi

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Testicular Injury: Chemical/Metal Induced : CK(340) : AC(174)
Pharmacological Actions : Antioxidants : CK(21528) : AC(8856), Spermatogenic : CK(34) : AC(12)
Problem Substances : Nanoparticles : CK(79) : AC(45), Zinc Oxide : CK(27) : AC(13)

Superoxide Dismutase Up-regulation (AC 3) (CK 6)

Ginger protects against dichlorvos and lindane induced oxidative stress in rat brain.

Pubmed Data : Pharmacognosy Res. 2012 Jan ;4(1):27-32. PMID: 22224058

Article Published Date : Jan 01, 2012

Authors : Poonam Sharma, Rambir Singh

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Damage : CK(129) : AC(60)
Pharmacological Actions : Glutathione Upregulation : CK(299) : AC(96), Neuroprotective Agents : CK(10404) : AC(4396), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)
Problem Substances : Dichlorvos : CK(15) : AC(8), Lindane : CK(2) : AC(1)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: 21689445

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : ALT: Elevated : CK(70) : AC(11), AST: Elevated : CK(46) : AC(6), Liver Fibrosis : CK(560) : AC(253)
Pharmacological Actions : Glutathione Upregulation : CK(299) : AC(96), Malonaldehyde (MDA) Down-Regulation : CK(62) : AC(15), Renoprotective : CK(2404) : AC(1075), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)

Protective effects of ginger root extract on Alzheimer disease-induced behavioral dysfunction in rats.

Pubmed Data : Rejuvenation Res. 2013 Apr ;16(2):124-33. PMID: **23374025**

Article Published Date : Mar 31, 2013

Authors : Gao-Feng Zeng, Zhi-Yong Zhang, Li Lu, De-Qiang Xiao, Shao-Hui Zong, Jian-Ming He

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Malondialdehyde Down-regulation : CK(2065) : AC(678), Neuroprotective Agents : CK(10404) : AC(4396), NF-kappaB Inhibitor : CK(3536) : AC(2098), Superoxide Dismutase Up-regulation : CK(1403) : AC(551)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Survivin Down-Regulation (AC 1) (CK 1)

This study showed the functions of shogaol as a sensitizing agent to induce cell death of TRAIL-resistant colon cancer cells.

Pubmed Data : Tumour Biol. 2015 Jun 11. Epub 2015 Jun 11. PMID: **26063410**

Article Published Date : Jun 10, 2015

Authors : Jung Soon Hwang, Hai-Chon Lee, Sang Cheul Oh, Dae-Hee Lee, Ki Han Kwon

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), Chemosensitizer : CK(1124) : AC(854), Survivin Down-Regulation : CK(15) : AC(13)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

TRAIL sensitizer (AC 1) (CK 1)

Gingerol is a sensitizing agent which induces cell death of TRAIL resistant glioblastoma cells.

Pubmed Data : Toxicol Appl Pharmacol. 2014 Sep 15 ;279(3):253-65. Epub 2014 Jul 14. PMID: **25034532**

Article Published Date : Sep 14, 2014

Authors : Dae-Hee Lee, Dong-Wook Kim, Chang-Hwa Jung, Yong J Lee, Daeho Park

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Glioblastoma : CK(545) : AC(272)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), TRAIL sensitizer : CK(3) : AC(2)
Additional Keywords : Apoptosis Regulatory Proteins : CK(1) : AC(1)

Telomerase Inhibitor (AC 1) (CK 1)

Ginger exhibits anti-lung cancer properties.

Pubmed Data : J Med Food. 2010 Dec;13(6):1347-54. PMID: 21091248

Article Published Date : Dec 01, 2010

Authors : Wirote Tuntiwechapikul, Thanachai Taka, Chonnipa Songsomboon, Navakoon Kaewtunjai, Arisa Imsumran, Luksana Makonkawkeyoon, Wilart Pompimon, T Randall Lee

Study Type : In Vitro Study
Additional Links
Substances : Catechols : CK(19) : AC(15), Ginger : CK(1514) : AC(444)
Diseases : Lung Cancer : CK(2308) : AC(999)
Pharmacological Actions : Antiproliferative : CK(6801) : AC(5032), Telomerase Inhibitor : CK(95) : AC(62)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Thermogenic (AC 1) (CK 10)

Ginger consumption enhances the thermic effect of food and promotes feelings of satiety without affecting metabolic and hormonal parameters in overweight men.

Pubmed Data : Metabolism. 2012 Oct ;61(10):1347-52. Epub 2012 Apr 24. PMID: 22538118

Article Published Date : Sep 30, 2012

Authors : Muhammad S Mansour, Yu-Ming Ni, Amy L Roberts, Michael Kelleman, Arindam Roychoudhury, Marie-Pierre St-Onge

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Overweight : CK(8557) : AC(1798), Weight Probems: Appetite : CK(162) : AC(22)
Pharmacological Actions : Thermogenic : CK(57) : AC(9)

Transforming growth factor beta (TGF-β) inhibitor (AC 2) (CK 4)

Ginger extract protects the heart against inflammation and fibrosis in diabetes.

Pubmed Data : Can J Diabetes. 2020 Sep 2. Epub 2020 Sep 2. PMID: 33162372

Article Published Date : Sep 01, 2020

Authors : Tara Abdi, Maryam Mahmoudabady, Hadi Zare Marzouni, Saeed Niazmand, Majid Khazaei

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Cardiomyopathy : CK(222) : AC(82), Diabetic Complications : CK(3199) : AC(1009), Myocardial Fibrosis : CK(140) : AC(64)
Pharmacological Actions : Anti-Fibrotic : CK(924) : AC(463), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cardioprotective : CK(5377) : AC(1675), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

These findings suggest that a hydro-alcoholic extract of ginger is a potentially novel therapeutic strategy for inhibiting adhesion formation.

Pubmed Data : Evid Based Complement Alternat Med. 2023 ;2023:4086631. Epub 2023 Feb 21. PMID: 36865747

Article Published Date : Dec 31, 2022

Authors : Roghayeh Yahyazadeh, Vafa Baradaran Rahimi, Seyed Ahmad Mohajeri, Milad Iranshahy, Ahmad Yahyazadeh, Maede Hasanpour, Mehrdad Iranshahi, Vahid Reza Askari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Abdominal Adhesions : CK(50) : AC(10), Colon Surgery : CK(31) : AC(8)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Glutathione Upregulation : CK(299) : AC(96), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Tumor Necrosis Factor (TNF) Alpha Inhibitor (AC 33) (CK 66)

"Ginger extract (Zingiber officinale) has anti-cancer and anti-inflammatory effects on ethionine-induced hepatoma rats."

Pubmed Data : Clinics (Sao Paulo). 2008 Dec ;63(6):807-13. PMID: 19061005

Article Published Date : Dec 01, 2008

Authors : Shafina Hanim Mohd Habib, Suzana Makpol, Noor Aini Abdul Hamid, Srijit Das, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Liver Cancer: Prevention : CK(207) : AC(41)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antineoplastic Agents : CK(1847) : AC(1170), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

6-Gingerol, a compound found within ginger, inhibits inflammation.

Pubmed Data : Biochem Biophys Res Commun. 2009 Apr 24;382(1):134-9. Epub 2009 Mar 4. PMID: 19268427

Article Published Date : Apr 24, 2009

Authors : Tzung-Yan Lee, Ko-Chen Lee, Shih-Yuan Chen, Hen-Hong Chang

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: 25789481

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Central Nervous System Diseases : CK(36) : AC(30), Cerebral Ischemia : CK(670) : AC(304)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Paradols : CK(1) : AC(1)

A subcritical water extract of soil grown Zingiber officinale Roscoe: Comparative analysis of antioxidant and anti-inflammatory effects.

Pubmed Data : Front Pharmacol. 2023 ;14:1006265. Epub 2023 Feb 8. PMID: 36843947

Article Published Date : Dec 31, 2022

Authors : Azraul Mumtazah Razak, Siti Nor Asyikin Zakaria, Nur Fathiah Abdul Sani, Nazirah Ab Rani, Nur Haleeda Hakimi, Mazlina Mohd Said, Jen Kit Tan, Han Kwang Gan, Mariam Firdhaus Mad Nordin, Suzana Makpol

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Anti-inflammatory and anti-thrombotic effects of zingerone in a rat model of myocardial infarction.

Pubmed Data : Eur J Pharmacol. 2016 Nov 15 ;791:595-602. Epub 2016 Aug 26. PMID: 27568839

Article Published Date : Nov 14, 2016

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Myocardial Infarction : CK(1563) : AC(315)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Curcumin, Resveratrol and Gingerol decrease prostate inflammation

Pubmed Data : Carcinogenesis. 2007 Jun;28(6):1188-96. Epub 2006 Dec 6. PMID: 17151092

Article Published Date : Jun 01, 2007

Authors : Larisa Nonn, David Duong, Donna M Peehl

Study Type : In Vitro Study
Additional Links
Substances : Curcumin : CK(5598) : AC(2788), Ginger : CK(1514) : AC(444), Resveratrol : CK(2037) : AC(1112)
Diseases : Prostate Cancer : CK(2407) : AC(834)
Pharmacological Actions : Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Dietary intake of C. longa and Z. officinale potentiates the non-specific host defences against opportunistic infections.

Pubmed Data : Cell Immunol. 2012 Nov ;280(1):92-100. Epub 2012 Dec 10. PMID: 23295981

Article Published Date : Oct 31, 2012

Authors : Biswajit Chakraborty, Mahuya Sengupta

Study Type : Animal Study
Additional Links
Substances : Curcumin : CK(5598) : AC(2788), Curcuminoids : CK(6042) : AC(2905), Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Pharmacological Actions : Immunostimulatory : CK(633) : AC(192), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: 30402094

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Cadmium Poisoning : CK(306) : AC(152)
Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(170) : AC(95), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Neuroprotective Agents : CK(10404) : AC(4396), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Effects of Zingiber officinale extract supplementation on metabolic and genotoxic parameters in diet-induced obesity.

Pubmed Data : Br J Nutr. 2020 Dec 16:1-12. Epub 2020 Dec 16. PMID: 33323139

Article Published Date : Dec 15, 2020

Authors : Thaís Fernandes Luciano, Claudio Teodoro De Souza, Ricardo Aurino Pinho, Schérolin de Oliveira Marques, Gabriel Paulino Luiz, Natalia Dos Santos Tramontin, Paulo Cesar Lock da Silveira, Vanessa Moraes de Andrade, Alexandre Pastoris Muller

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Obesity : CK(6879) : AC(1686)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger and turmeric rhizomes decreased the anti-inflammatory cytokines in hypertensive rats.

Pubmed Data : Planta Med. 2016 Mar 22. Epub 2016 Mar 22. PMID: 27002391

Article Published Date : Mar 21, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Thiago Duarte, Marta Duarte, Aline Augusti Boligon, Margareth Linde Athayde, Akintunde Afolabi Akindahunsi, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Hypertension : CK(6384) : AC(950), Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: 30121057

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, HaliIİbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1), Inflammation : CK(9572) : AC(3089), Oxidative Stress : CK(9437) : AC(3550)
Pharmacological Actions : Anti-Apoptotic : CK(2905) : AC(1672), Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Phytotherapy : CK(3062) : AC(812), Plant Extracts : CK(14140) : AC(5210)

Ginger supplementation with antitubercular treatment significantly lowered TNF alpha, ferritin and MDA concentrations.

Pubmed Data : J Complement Integr Med. 2016 Jun 1 ;13(2):201-6. PMID: 27089418

Article Published Date : May 31, 2016

Authors : Rashmi Anant Kulkarni, Ajit Ramesh Deshpande

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Tuberculosis : CK(686) : AC(141)
Therapeutic Actions : Integrative Medicine : CK(501) : AC(69)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Malondialdehyde Down-regulation : CK(2065) : AC(678), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger therapy efficiently ameliorated the severity of intestinal damage in necrotizing enterocolitis and may be a promising treatment option.

Pubmed Data : J Ethnopharmacol. 2018 Jul 10. Epub 2018 Jul 10. PMID: 30005955

Article Published Date : Jul 09, 2018

Authors : Ufuk Cakir, Cuneyt Tayman, Utku Serkant, Halil Ibrahim Yakut, Esra Cakir, Ufuk Ates, Ismail Koyuncu, Eyyup Karaogul

Study Type : Animal Study

Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Necrotising enterocolitis : CK(214) : AC(32)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Ginger's anti-inflammatory activity is mediated by inhibiting macrophage and neutrophils activation.

Pubmed Data : J Ethnopharmacol. 2017 Dec 15. Epub 2017 Dec 15. PMID: **29253614**

Article Published Date : Dec 14, 2017

Authors : Shahira M Ezzat, Marwa I Ezzat, Mona M Okba, Esther T Menze, Ashraf B Abdel-Naim

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Inflammation : CK(9572) : AC(3089)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Postaglandin PGE2 downregulation : CK(202) : AC(110), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Gingerol-enriched ginger supplementation mitigates neuropathic pain.

Pubmed Data : Front Pharmacol. 2022 ;13:912609. Epub 2022 Jul 8. PMID: **35873544**

Article Published Date : Dec 31, 2021

Authors : Chwan-Li Shen, Rui Wang, Vadim Yakhnitsa, Julianna Maria Santos, Carina Watson, Takaki Kiritoshi, Guangchen Ji, Abdul Naji Hamood, Volker Neugebauer

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Gastrointestinal Agents : CK(3145) : AC(843), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Gut-brain Axis : CK(392) : AC(177)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: **30305562**

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Adenosine deaminase inhibitor : CK(20) : AC(7), Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-10 downregulation : CK(335) : AC(128), Interleukin-6 Downregulation : CK(5029) : AC(1994), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Essential Oils : CK(736) : AC(311)
Problem Substances : Cadmium : CK(383) : AC(148)

Structural alterations in Pseudomonas aeruginosa by zingerone contribute to enhanced susceptibility to antibiotics, serum and phagocytes.

Pubmed Data : Life Sci. 2014 Nov 4 ;117(1):24-32. Epub 2014 Sep 30. PMID: **25277943**

Article Published Date : Nov 03, 2014

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Pseudomonas aeruginosa : CK(304) : AC(238)
Pharmacological Actions : Anti-Bacterial Agents : CK(2894) : AC(1251), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: **27544404**

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Alcohol Toxicity : CK(855) : AC(332), Lipid Peroxidation : CK(1632) : AC(631)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

These findings suggest that a hydro-alcoholic extract of ginger is a potentially novel therapeutic strategy for inhibiting adhesion formation.

Pubmed Data : Evid Based Complement Alternat Med. 2023 ;2023:4086631. Epub 2023 Feb 21. PMID: **36865747**

Article Published Date : Dec 31, 2022

Authors : Roghayeh Yahyazadeh, Vafa Baradaran Rahimi, Seyed Ahmad Mohajeri, Milad Iranshahy, Ahmad Yahyazadeh, Maede Hasanpour, Mehrdad Iranshahi, Vahid Reza Askari

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Abdominal Adhesions : CK(50) : AC(10), Colon Surgery : CK(31) : AC(8)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Glutathione Upregulation : CK(299) : AC(96), Interleukin-6 Downregulation : CK(5029) : AC(1994), Malondialdehyde Down-regulation : CK(2065) : AC(678), Transforming growth factor beta (TGF-β) inhibitor : CK(203) : AC(106), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

This finding supports the contention that ginger holds positive pharmaceutical effects against osteoarthritis.

Pubmed Data : Planta Med. 2017 Feb ;83(3-04):268-276. Epub 2016 Aug 30. PMID: **27574898**

Article Published Date : Jan 31, 2017

Authors : Jetsada Ruangsuriya, Piyaporn Budprom, Nawarat Viriyakhasem, Patiwat Kongdang, Chatchadawalai Chokchaitaweesuk, Nutnicha Sirikaew, Siriwadee Chomdej, Korakot Nganvongpanit, Siriwan Ongchai

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Osteoarthritis : CK(1449) : AC(363)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Z. officinale paste could be used as natural spice and a potent antitumour agent.

Pubmed Data : Appl Biochem Biotechnol. 2016 Jul 19. Epub 2016 Aug 19. PMID: 27435276

Article Published Date : Jul 18, 2016

Authors : Sundararaj Rubila, Thottiam Vasudevan Ranganathan, Kunnathur Murugesan Sakthivel

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Lymphoma: Dalton's : CK(5) : AC(3)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: 29587238

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yıldırım, Sefa Kucukler, Mehmet Akif Kılınc, Yavuz Selim Saglam

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(881) : AC(388)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Chemoprotective Agents : CK(2322) : AC(906), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: 26698392

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: 29537332

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Hypoglycemic Agents : CK(5366) : AC(1338), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: **24412620**

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073), Lung Injury: Acute : CK(321) : AC(159)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone can be used as an effective therapeutic agent for the treatment of drug-induced nephrotoxicity.

Pubmed Data : Oxid Med Cell Longev. 2018 ;2018:2474831. Epub 2018 Jan 30. PMID: **29636837**

Article Published Date : Dec 31, 2017

Authors : Mohammed M Safhi

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Renoprotective : CK(2404) : AC(1075), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone is a promising therapeutic treatment to attenuate diabetic nephropathy.

Pubmed Data : Biomed Pharmacother. 2018 Mar ;99:422-430. PMID: **29367111**

Article Published Date : Feb 28, 2018

Authors : Yan Cui, Yan Shi, Yan Bao, Shulong Wang, Qiuju Hua, Yun Liu

Study Type : Animal Study, In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Nephropathy : CK(707) : AC(277)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone might be useful in the treatment of sepsis by targeting HMGB1.

Pubmed Data : Toxicol Appl Pharmacol. 2017 08 15 ;329:202-211. Epub 2017 Jun 10. PMID: **28610995**

Article Published Date : Jan 14, 2017

Authors : Wonhwa Lee, Sae-Kwang Ku, Jong-Sup Bae

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Endotoxemia : CK(219) : AC(91), Sepsis : CK(952) : AC(276)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: **30532634**

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Diabetes: Oxidative Stress : CK(492) : AC(182)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Antioxidants : CK(21528) : AC(8856), Interleukin-2 Downregulation : CK(123) : AC(51), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: **29117507**

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Inflammation : CK(9572) : AC(3089), Ultraviolet Radiation Induced Damage : CK(461) : AC(215)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Photoprotective : CK(446) : AC(198), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingiber mioga attenuates allergic asthma induced by ovalbumin challenge.

Pubmed Data : Mol Med Rep. 2015 Sep ;12(3):4538-4545. Epub 2015 Jun 11. PMID: **26063513**

Article Published Date : Aug 31, 2015

Authors : Na-Rae Shin, In-Sik Shin, Chan-Mi Jeon, Ju-Mi Hong, Ok-Kyoung Kwon, Hui-Seong Kim, Sei-Ryang Oh, Kyu-Woung Hahn, Kyung-Seop Ahn

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Asthma : CK(2488) : AC(486), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : interleukin-13 down-regulation : CK(90) : AC(47), Interleukin-4 downregulation : CK(355) : AC(128), Interleukin-5 downregulation : CK(120) : AC(49), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Zingiber officinale Roscoe rhizomes as a novel and interesting candidate for the management of neuropathic pain.

Pubmed Data : Phytomedicine. 2020 Nov ;78:153307. Epub 2020 Aug 19. PMID: **32846405**

Article Published Date : Oct 31, 2020

Authors : Vittoria Borgonetti, Paolo Governa, Marco Biagi, Federica Pellati, Nicoletta Galeotti

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Brain Inflammation : CK(1101) : AC(567), Neuropathic Pain : CK(621) : AC(192)
Pharmacological Actions : Anti-Inflammatory Agents : CK(20859) : AC(8334), Interleukin-1 beta downregulation : CK(3041) : AC(1567), Interleukin-6 Downregulation : CK(5029) : AC(1994), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: **27293376**

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag,

Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Angiogenic : CK(347) : AC(234), Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815), Vascular Endothelial Growth Factor Inhibitors : CK(435) : AC(247)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Tumor Suppressor Protein p53 Upregulation (AC 2) (CK 6)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: 25939344

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Turmeric : CK(7078) : AC(3169)
Diseases : Rhabdomyosarcoma : CK(8) : AC(5)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Bcl-2 protein down-regulation : CK(553) : AC(407), Cyclooxygenase 2 Inhibitors : CK(1589) : AC(926), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Gene Expression Regulation : CK(1141) : AC(501), Natural Substance/Drug Synergy : CK(957) : AC(485), Significant Treatment Outcome : CK(3903) : AC(462)

Zerumbone was able to induce apoptosis of pancreatic carcinoma cell lines

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:936030. Epub 2012 Jan 29. PMID: 22454691

Article Published Date : Jan 01, 2012

Authors : Songyan Zhang, Qiaojing Liu, Yanju Liu, Hong Qiao, Yu Liu

Study Type : Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444), Zerumbone : CK(95) : AC(63)
Diseases : Pancreatic Cancer : CK(1307) : AC(451)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Caspase-3 Activation : CK(137) : AC(90), P21 Activation : CK(160) : AC(119), Tumor Suppressor Protein p53 Upregulation : CK(585) : AC(431)
Additional Keywords : Zerumbone : CK(5) : AC(1)

Vascular Endothelial Growth Factor Inhibitors (AC 1) (CK 2)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: 27293376

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Gingerol : CK(186) : AC(109)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Anti-Angiogenic : CK(347) : AC(234), Anti-Inflammatory Agents : CK(20859) : AC(8334), NF-kappaB Inhibitor : CK(3536) : AC(2098), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815), Vascular Endothelial Growth Factor Inhibitors : CK(435) : AC(247)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

Vasodilator Agents (AC 1) (CK 2)

Protective effect of zingerone on increased vascular contractility in diabetic rat aorta.

Pubmed Data : Eur J Pharmacol. 2016 Jun 5 ;780:174-9. Epub 2016 Mar 25. PMID: 27020549

Article Published Date : Jun 04, 2016

Authors : Salah A Ghareib, Hany M El-Bassossy, Ahmed A Elberry, Ahmad Azhar, Malcolm L Watson, Zainy M Banjar, Abdulrahman M Alahdal

Study Type : Animal Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Polyphenols : CK(1878) : AC(700)
Diseases : Diabetic Complications : CK(3199) : AC(1009)
Pharmacological Actions : Vasodilator Agents : CK(626) : AC(169)

Vasopressin Inhibitor (AC 1) (CK 10)

Ginger has a therapeutic effect on motion sickness.

Pubmed Data : Nutr Cancer. 2007;58(1):60-5. PMID: 12576305

Article Published Date : Jan 01, 2007

Authors : Han-Chung Lien, Wei Ming Sun, Yen-Hsueh Chen, Hyerang Kim, William Hasler, Chung Owyang

Study Type : Human Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Motion Sickness : CK(10) : AC(1)
Pharmacological Actions : Vasopressin Inhibitor : CK(12) : AC(2)

Wnt/β-catenin signaling pathway modulation (AC 2) (CK 6)

Indonesian ginger extract promotes neurogenesis of human neural stem cells.

Pubmed Data : Int J Mol Sci. 2020 Jul 5 ;21(13). Epub 2020 Jul 5. PMID: 32635647

Article Published Date : Jul 04, 2020

Authors : Kazumi Hirano, Miwa Kubo, Yoshiyasu Fukuyama, Masakazu Namihira

Study Type : Human In Vitro
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Pharmacological Actions : Neurogenesis : CK(215) : AC(109), Wnt/β-catenin signaling pathway modulation : CK(208) : AC(149)

The combination of Gelam honey and ginger may serve as a potential therapy in the treatment of colorectal cancer.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(15):6549-56. PMID: 26434873

Article Published Date : Dec 31, 2014

Authors : Lee Heng Wee, Noor Azian Morad, Goon Jo Aan, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444), Honey : CK(920) : AC(247)
Diseases : Colon Cancer : CK(1493) : AC(954)
Pharmacological Actions : Apoptotic : CK(6986) : AC(5304), Chemopreventive : CK(5374) : AC(1717), Wnt/β-catenin signaling pathway modulation : CK(208) : AC(149)
Additional Keywords : Dose Response : CK(1712) : AC(683), Gene Expression Regulation : CK(1141) : AC(501), Plant Extracts : CK(14140) : AC(5210)

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interleukin-13 down-regulation (AC 1) (CK 1)

Zingiber mioga attenuates allergic asthma induced by ovalbumin challenge.

Pubmed Data : Mol Med Rep. 2015 Sep ;12(3):4538-4545. Epub 2015 Jun 11. PMID: 26063513

Article Published Date : Aug 31, 2015

Authors : Na-Rae Shin, In-Sik Shin, Chan-Mi Jeon, Ju-Mi Hong, Ok-Kyoung Kwon, Hui-Seong Kim, Sei-Ryang Oh, Kyu-Woung Hahn, Kyung-Seop Ahn

Study Type : In Vitro Study
Additional Links
Substances : Ginger : CK(1514) : AC(444)
Diseases : Asthma : CK(2488) : AC(486), Lipopolysaccharide-Induced Toxicity : CK(1764) : AC(1073)
Pharmacological Actions : interleukin-13 down-regulation : CK(90) : AC(47), Interleukin-4 downregulation : CK(355) : AC(128), Interleukin-5 downregulation : CK(120) : AC(49), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(786) : AC(505), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(6736) : AC(2815)
Additional Keywords : Plant Extracts : CK(14140) : AC(5210)

β-secretase Inhibitor (AC 1) (CK 1)

Long-term consumption of aromatic compounds from spices could be effective in the prevention of Alzheimer's disease.

Pubmed Data : Nat Prod Commun. 2016 Apr ;11(4):507-10. PMID: 27396206

Article Published Date : Mar 31, 2016

Authors : Shinichi Matsumura, Kazuya Murata, Yuri Yoshioka, Hideaki Matsuda

Study Type : In Vitro Study

Additional Links

Substances : Cardamom : CK(42) : AC(11), Cinnamon : CK(665) : AC(196), Ginger : CK(1514) : AC(444), Long Pepper : CK(29) : AC(12), Turmeric : CK(7078) : AC(3169)

Diseases : Alzheimer's Disease : CK(3372) : AC(1307)

Pharmacological Actions : Neuroprotective Agents : CK(10404) : AC(4396), β-secretase Inhibitor : CK(1) : AC(1)

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