

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in Capsicum annuum

Activity	Chemical Count
5-Alpha-Reductase-Inhibitor	6
5-HETE-Inhibitor	1
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	1
Abortifacient	1
Acaricide	5
Acarifuge	1
ACE-Inhibitor	8
Acetylcholinergic	1
AChE-Inhibitor	2
Acidulant	3
Adjuvant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	14
Allelochemic	9
Allelopathic	4
Allergenic	18
Allergenic?	1
Alpha-Amylase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Amphiglycemic?	1
Analgesic	19
Anaphylactic	2
Androgenic	2
Androgenic?	1
Anemiagenic	1
Anesthetic	8

Activity	Chemical Count
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	3
Anti-LDL	1
Antiacetylcholinesterase	6
Antiacid	1
Antiacne	11
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	2
Antiadenoviral	1
Antiadrenalinic	1
Antiadrenergic	1
Antiaflatoxin	1
AntiAGE	2
Antiaggregant	12
Antiaging	5
Antiakathisic	1
Antialcoholic	4
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergenic	2
Antiallergic	8
Antialopepic	4
Antialzheimeran	7

Activity	Chemical Count
Antialzheimeran?	2
Antiamblyopic	2
Antianaphylactic	2
Antiandrogenic	5
Antianemic	4
Antianginal	5
Antiangiogenic	4
Antianorectic	2
Antianorexic	1
Antianxiety	3
Antiaphthic	1
Antiapoplectic	1
Antiarabiflavinotic	1
Antiarachidonate	1
Antiarrhythmic	6
Antiarteriosclerotic	4
Antiartihritic	14
Antiasthmatic	11
Antiatherogenic	3
Antiatherosclerotic	11
Antibacillary	1
Antibackache	1
Antibacterial	36
Antiberiberi	1
AntiBPH	1
Antibradykinic	2
Antibronchitic	2

Activity	Chemical Count
Antibronchoconstrictor	1
Anticalculic	1
Anticancer	9
Anticancer (Breast)	4
Anticancer (Cervix)	2
Anticancer (Colon)	2
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	1
Anticancer (Liver)	4
Anticancer (Lung)	2
Anticancer (Skin)	3
Anticanker	3
Anticapillary-Fragility	2
Anticarcinogenic	3
Anticarcinomic	3
Anticardiospasmic	1
Anticariogenic	4
Anticarpal-Tunnel	1
Anticataract	11
Anticephalagic	3
Anticervicaldysplastic	4
AntiCFS	3
Anticheilitic	3
Antichilblain	1
Anticholinergic	2
Anticholinesterase	4
Antichorea	1

Activity	Chemical Count
Antichoreic	2
Anticirrhotic	2
Anticirrhotic?	1
Anticlastogen	2
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	2
Anticolonospasmic	1
Anticomplementary	1
Anticonvulsant	9
Anticorneotic	1
Anticoronary	6
AntiCrohn's	2
AntiCTS	1
AntiCVI	1
Anticystinuric	1
Antidandruff	3
Antidecubitic	5
Antideliriant	1
Antidementia	9
Antidepressant	10
Antidepressant?	1
Antidermatic	1

Activity	Chemical Count
Antidermatitic	6
Antidiabetic	14
Antidiabetic?	1
Antidiscotic	1
Antidiuretic	1
AntiDNA	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Hypoglycin-A)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paracetamol)	1
Antidote (Paraquat)	1
Antidysgeuzic	1
Antidyskinetic	3
Antidysmenorrhic	3
Antidyspeptic	1
Antidysphagic	1
AntiEBV	2
Antieczemic	5
Antiedemic	11
Antielastase	1
Antiembolic	1
Antiencephalitic	1
Antiencephalopathic	7
Antiencephalopathic?	1

Activity	Chemical Count
Antiendometriotic	2
Antienterotic	1
Antienzymatic	1
Antiepileptic	6
Antiepitheleomic	1
Antierhythmic	1
Antiescherichic	1
Antiesophagitic	2
Antiestrogenic	3
Antifatigue	8
Antifeedant	13
Antifertility	3
Antifibrinolytic	2
Antifibromyalgic	1
Antifibrositic	1
Antifibrotic	3
Antiflu	6
Antifuruncular	1
Antigallstone	1
Antigastric	1
Antigastritic	4
Antigastrotic	1
Antigenotoxic	2
Antigiardial	1
Antigingivitic	3
Antiglaucomic	3
Antiglossitic	2

Activity	Chemical Count
Antiglutamaergic	1
Antiglycosation	1
Antiglycosuric	1
Antigonadotrophic	2
Antigonadotropic	2
Antigout	1
Antigranular	1
Antigrey	1
Antihalitotic	1
Antihangover	4
Antiheartburn	1
Antihelicobacter	1
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	2
Antihemorrhoidal	2
Antihepatitic	2
Antihepatoadenomic	1
Antihepatotic	1
Antihepatotoxic	8
Antiherpetic	9
Antiherpetic?	1
Antihistaminic	12
AntiHIV	6
Antihomocysteine	1
Antihomocystinuric	2
Antihydrocoele	1

Activity	Chemical Count
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	3
Antihyperglycemic	2
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	10
Antihyperthyroid	3
Antihypoglycemic	1
Antiichthyotic	1
Antiileus?	1
Antiileus	1
Antiimpotence	2
Antiincontinence	1
Antiinfarctal	1
Antiinfective	1
Antiinfertility	5
Antiinflammatory	32
Antiinsomniac	4
Antiinsomniac?	1
Antiinsomnic	1
Antiischemic	4
Antikeratitic	1
Antikeratotic	1
Antikeshan	1
Antiketotic	1

Activity	Chemical Count
AntiLegionella	2
Antileishmanic	2
Antileptic	2
Antileukemic	8
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	5
Antileukotriene-D4	3
Antileukotrienogenic	1
Antilipoperoxidant	1
Antilithic	6
Antilithic?	1
Antilupus	2
AntiLyme	5
Antilymphomic	5
Antimaculitic	7
Antimalarial	2
Antimange	1
Antimanic	3
Antimastalgic	3
Antimastitic	1
AntiMD	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	5
AntiMeniere's	1
Antimenopausal	5

Activity	Chemical Count
Antimenorrhagic	4
Antimetastatic	5
Antimetastatic (Stomach)	1
Antimigraine	6
Antimite	1
Antimitotic	1
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	4
Antimutagenic	21
Antimyalgic	1
Antimyelotoxic	1
Antimyotrophic	1
Antimyocarditic	1
Antimyoclonic	1
Antinephritic	2
Antinephrolytic	1
Antineuralgic	4
Antineuramidase	1
Antineurasthenic	1
Antineuritic	3
Antineuropathic	5
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	7
Antinitrosating	1
Antinitrosic	1

Activity	Chemical Count
Antinociceptive	9
Antinyctalopic	2
Antiobesity	6
Antionychogryphotic	1
Antionychyotic	2
Antiophidic	3
Antiophthalmic	1
Antiorchitic	1
Antiosteoarthritic	5
Antiosteoporotic	9
Antiotitic	3
Antiototic	1
Antioxalate	1
Antioxidant	38
Antioxidant Synergist	1
Antioxidant?	2
Antiozenic	1
Antipapillomic	1
Antiparkinsonian	10
Antiparotitic	1
Antipellagic	3
Antipeptic	1
Antiperiodontic	1
Antiperiodontitic	4
Antiperoxidant	5
Antiphenylketonuric	2
Antiphotophobic	2

Activity	Chemical Count
Antipityriasic	1
Antiplateque	4
Antiplatelet	1
AntiPMS	6
Antipneumonic	2
Antipodriac	1
Antipolio	2
Antipoliomyelitic	2
Antiporphyric	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	11
Antiprostaglandin	7
Antiprostataadenomic	1
Antiprostatitic	7
Antiprostatotic	1
Antiprotozoal	1
Antipruritic	2
Antipsoriac	1
Antipsoriatic	1
Antipsychotic	3
Antipurpuric	1
Antipyretic	5
Antipyruvetic	1
Antiradicular	10
AntiRaynaud's	3
Antiretardation	1

Activity	Chemical Count
Antiretinitic Optometry	1
Antiretinopathic	1
Antiretinopathic?	1
Antiretinotic	2
Antirheumatalgic	1
Antirheumatic	12
Antirheumatic?	1
Antirhinitic	2
AntiRNA	1
Antisalmonella	3
Antischizophrenic	1
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	2
Antisenility	1
Antiseptic	26
Antishingles	1
Antishock	1
Antisickling	4
Antisilicotic	1
Antisinusitic	2
Antispare-Tire	1
Antispasmodic	24
Antispasmophilic	1
Antispastic	1
Antispermatogetic	1

Activity	Chemical Count
AntiSpina-Bifida	1
Antistaphylococcic	7
Antisteatotic	1
Antisterility	1
Antistomatitic	3
Antistreptococcic	1
Antistress	4
Antistroke	4
Antisunburn	4
Antisyndrome-X	7
Antitachycardic	3
Antithalassemic	1
Antithiamin	1
Antithrombogenic	1
Antithrombotic	2
Antithromboxane	1
Antithromboxane-B2	1
Antithyroid	3
Antitic	1
Antitinnitic	1
AntiTNF	1
Antitoxemic	1
Antitriglyceride	3
Antitrypanosomic	1
Antitubercular	1
Antituberculic	1
Antitumor	20

Activity	Chemical Count
Antitumor (Bladder)	1
Antitumor (brain)	2
Antitumor (Breast)	7
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	5
Antitumor (Colorectal)	1
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	1
Antitumor (Gastric)	1
Antitumor (Kidney)	1
Antitumor (Liver)	2
Antitumor (Lung)	6
Antitumor (Ovary)	1
Antitumor (Pancreas)	2
Antitumor (Prostate)	5
Antitumor (Skin)	3
Antitumor (Stomach)	5
Antitumor (Thyroid)	1
Antitumor-Promoter	4
Antitussive	2
Antiulcer	18
Antiulcerogenic	3
Antiuremic	1
Antiurethrotic	1
Antiuricosuric	1
Antivaccinia	2

Activity	Chemical Count
Antivaginitic	2
Antivaricose	2
Antivertigo	1
Antiviral	17
Antiviral?	1
Antivertilgic	1
Antiwrinkle	1
Antixerophthalmic	1
Anxiolytic	8
AP-1-Inhibitor	1
Aphidifuge	1
Aphrodisiac	1
Apifuge	1
Apoptotic	9
Aromatase-Inhibitor	1
Artemicide	2
Arteriodilator	1
Asthma-preventive	1
Astringent	2
Autotoxic	1
Avifuge	1
Bacteriostatic	1
Barbituate-Synergist	1
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bronchoprotectant	1

Activity	Chemical Count
Bronchorelaxant	2
Bruchifuge	1
Bruchiphobe	1
Calcium-Antagonist	12
Calcium-Channel-Blocker	1
cAMP-Phosphodiesterase-Inhibitor	1
Cancer-Preventive	41
Candidicide	9
Candidistat	2
Capillariprotective	2
Carcinogenic	5
Carcinogenic?	1
Cardiac	1
Cardiodepressant	4
Cardiomyopathogenic	1
Cardioprotective	13
Cardiotonic	4
Cardiotoxic	1
Carminative	3
Caspase-8-Inducer	1
Catabolic	3
Cataractagenic	1
Cerebroprotective	1
Cerebrostimulant	1
Cerebrotonic	1
Cerebrotoxic	1
Chemopreventive	8

Activity	Chemical Count
Cholagogue	3
Choleretic	9
Cholesterolytic	1
Cholinergic	2
Cicatrizant	1
Circulatory-Stimulant	1
Circulotonic	3
Clastogenic	2
CNS-Active	2
CNS-Depressant	9
CNS-Paralytic	1
CNS-Sedative	1
CNS-Stimulant	2
Co-carcinogenic	1
Cold-preventive	1
Coleoptophile	1
Collagen-Sparing	2
Collagenic	2
Colorant	14
Comedogenic	1
Comedolytic	1
COMP-Inhibitor	1
Contraceptive	2
Copper-Antagonist	1
Cosmetic	3
COX-1-Inhibitor	2
COX-2-Inhibitor	3

Activity	Chemical Count
Culicide	1
Cyclooxygenase-Inhibitor	2
Cytochrome-P450-Inhibitor	2
Cytoprotective	2
Cytotoxic	9
Deiodinase-Inhibitor	1
Deliriant	1
Deodorant	3
Depressant	1
Dermal	2
Dermatitigenic	4
Detoxicant	2
Detoxicant (Alcohol)	1
Diagnostic	1
Diaphoretic	2
Diaphoretic?	1
Differentiator	1
Digestive	1
Disinfectant	1
Diuretic	14
DNA-Active	1
DNA-Protective	1
Dye	2
Embryotoxic	1
Emetic	4
Emmenagogue	1
Encephalopathic	3

Activity	Chemical Count
Endocrinactive	1
Energizer	1
Enterocontractant	1
Enterorelaxant	1
Epidermal-Stimulant	1
Ergogenic	1
Erythrocytogenic	1
Essential	8
Estrogenic	4
Estrogenic?	1
Ethanolytic	1
Expectorant	7
Fatal	1
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
FLavor	34
FPTase-Inhibitor	1
Fungicide	24
Fungiphilic	1
Fungistat	2
GABA-nergic	1
Gastroprotective	3
Glutathionalytic	1
Glutathionigenic	1
Gonadotrophic	1
GST-Inducer	1

Activity	Chemical Count
Hallucinogenic	1
Hematopoietic	1
Hemolytic	3
Hemorrhagic	1
Hemostat	2
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatomegalic	1
Hepatoprotective	16
Hepatotoxic	2
Hepatotropic	2
Herbicide	10
Histamine-Inhibitor	2
Histaminic	2
Hyaluronidase-Inhibitor	1
Hypercholesterolemic	2
Hyperglycemic	2
Hypertensive	2
Hypnotic	2
Hypoammonemic	1
Hypoarginanemic	1
Hypocholesterolemic	22
Hypocholesterolemic?	1
Hypoglycemic	12
Hypolipidemic	3
Hypotensive	16

Activity	Chemical Count
Hypothermic	3
Hypouricemic	1
ICAM-1-Inhibitor	1
IKK-Inhibitor	1
Ileorelaxant	1
Immunomodulator	11
Immunostimulant	10
Immunosuppressant	1
iNOS-Inhibitor	1
Insecticide	8
Insectifuge	22
Insectiphile	3
Insulin-Sparing	2
Insulinase-Inhibitor	1
Insulinogenic	3
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	2
Interleukin-6-Inhibitor	2
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	20
Juvabional	3
Keratitogenic	1
Keratolytic	1
Larvicide	4
Larvostat	3
Laxative	7

Activity	Chemical Count
Laxative?	1
Leptingenic	1
Leukotriene-Inhibitor	2
Lipolytic	1
Lipotropic	3
Lipoxygenase-Inhibitor	9
Lithogenic	2
Litholytic	2
Lubricant	3
Lyase-Inhibitor	1
Lymphocytogenic	1
MAO-Inhibitor	1
MAPK-Inhibitor	1
Memorigenic	2
Memory-Enhancer	1
Memranolytic	1
Metal-Chelator	2
Metalloproteinase-Inhibitor	1
Metastatic	1
Miotic	1
MMP-9-Inhibitor	1
Monoamine-Precursor	3
Mosquitocide	2
Mosquitofuge	2
Motor-Depressant	5
Mucogenic	3
Mucolytic	2

Activity	Chemical Count
Musculotropic	1
Mutagenic	3
Mycobactericide	1
Myocontractant	1
Myopic	1
Myoprotective	1
Myorelaxant	6
Myostimulant	1
Myotonic	1
Narcotic	2
Natriuretic	1
Nematicide	9
Nematistat	1
NEP-Inhibitor	1
Nephrotoxic	4
Neuroexcitant	1
Neuroinhibitor	1
Neuroprotective	1
Neurotoxic	4
Neurotransmitter	2
NF-kB-Inhibitor	3
NO-Genic	3
NO-Inhibitor	2
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	5
Osmoregulator	1
Osteogenic	1

Activity	Chemical Count
Osteolytic	1
Oviposition-Stimulant	2
Ovulant	1
Oxidant	3
Oxidase-Inhibitor	1
Ozone-Scavenger	1
P21-Inducer	1
P450-2B1-Inhibitor	2
P450-Inducer	1
PAF-Inhibitor	1
Parasiticide	2
Parasympathomimetic	2
Percutaneostimulant	1
Perfumery	20
Peristaltic	2
Pesticide	63
Phagocytotic	1
Phospholipase-A2-Inhibitor	1
Photosensitizer	1
Phytoalexin	3
Phytohormonal	1
Pituitary-Stimulant	1
Polyamine-Synthesis-Inhibitor	1
Previtamin-A	1
ProHDL	1
Prolactinogenic	1
Proliferant	1

Activity	Chemical Count
Prooxidant	5
Propecic	6
Prostaglandigenic	2
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	4
Prostaglandin-Synthetase-Inhibitor	1
Protein-Kinase-C-Inhibitor	3
Protisticide	2
PTK-Inhibitor	1
Pulifuge	1
Pulmonotoxic	1
Pyrogenic	1
Quinone-Reductase-Inducer	3
Radioprotective	1
Refrigerant	1
Renoirritant	1
Renotoxic	1
Repellent	1
Respirasensitizer	1
Respirotoxic	1
Retinoprotectant Optometry	1
Roborant	1
Rodenticide	3
Rubefacient	2
Scabicide	1
Schistosomicide	1
Schizophrenigenic	1

Activity	Chemical Count
Sedative	15
Serotoninerigic	2
Sialogogue	2
Soap	2
Spasmogenic	5
Spermicide	3
Spermigenic	2
Spinoconvulsant	1
Stimulant	1
Succinoxidase-Inhibitor	1
Sunscreen	3
Suppository	1
Sweetener	3
Tachycardic	1
Taenicide	1
Teratogenic	3
Termiticide	3
Termitifuge	2
Testosteronigenic	1
Thermogenic	1
Thymoprotective	1
TNF-alpha-Inhibitor	1
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	2
Toxic	2
Tranquilizer	3

Activity	Chemical Count
Transdermal	5
Tremorigenic	1
Trichomonicide	4
Trichomonistat	1
Trypsin-Enhancer	1
Tumor-Promoter	2
Tumorigenic	1
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	6
Ulcerogenic	3
Urate-Solvent	1
Uricosuric	4
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	2
Varroacide	2
Vasodilator	17
Vasopressor	2
VEGF-Inhibitor	2
Vermifuge	2
Verrucolytic	1
Vertigenic	1
Vitamin-A-Activity	3
Vulnerary	7

Activity	Chemical Count
Xanthine-Oxidase-Inhibitor	3