

Dr. Duke's Phytochemical and Ethnobotanical Database

Biological Activities Found in *Allium sativum* var. *sativum*

Activity	Chemical Count
11B-HSD-Inhibitor	3
5-Alpha-Reductase-Inhibitor	5
5-HETE-Inhibitor	1
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
Abortifacient	2
Absorbent	1
Acantholytic	2
Acaricide	1
Acarifuge	1
ACE-Inhibitor	2
Acetylcholinergic	1
Acidulant	1
Acnegenic	1
Addictive	1
Additive	1
Adjuvant	1
Aggregant	1

Activity	Chemical Count
Alcohol-Dehydrogenase-Inhibitor	2
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	9
Allelochemic	4
Allelopathic	3
Allergenic	12
Alpha-Reductase-Inhibitor	1
Amebicide	2
Amphiglycemic?	1
Analgesic	13
Androgenic	2
Androgenic?	1
Anemiagenic	1
Anesthetic	1
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	2
Anthelmintic	3
Antiacetylcholinesterase	1
Antiacid	1

Activity	Chemical Count
Antiacne	7
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	2
AntiAddisonian	1
Antiadenomic	1
Antiadenoviral	1
Antiadrenalinic	1
Antiaflatoxin	3
AntiAGE	2
Antiaggregant	23
Antiaging	7
Antiakathisic	1
Antialcoholic	7
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergenic	2
Antiallergic	13
Antialopepic	5

Activity	Chemical Count
Antialzheimeran	9
Antiamblyopic	1
Antianaphylactic	4
Antiandrogenic	4
Antianemic	3
Antianginal	3
Antiangiogenic	4
Antianorectic	3
Antianorexic	1
Antianxiety	3
Antiapoplectic	1
Antiarabiflavinotic	1
Antiarrhythmic	7
Antiarteriosclerotic	3
Antiarthritic	15
Antiasthenic	1
Antiasthmatic	6
Antiatherogenic	4
Antiatheromic	1
Antiatherosclerotic	11

Activity	Chemical Count
Antiatherotic	1
Antibackache	2
Antibacterial	36
Antiberiberi	2
Antibiotic	3
AntiBPH	1
Anticancer	13
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Colon)	5
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	2
Anticancer (Liver)	6
Anticancer (Lung)	2
Anticancer (Pancreas)	1
Anticancer (Skin)	2
Anticancer (Stomach)	4
Anticanker	3
Anticapillary-Fragility	1
Anticarcinogenic	3

Activity	Chemical Count
Anticarcinomic	2
Anticarcinomic (Breast)	1
Anticardiospasmic	2
Anticariogenic	4
Anticarpal-Tunnel	1
Anticataract	11
Anticephalagic	3
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2
Antichilblain	2
Anticholesteremic	1
Anticholesterogenic	1
Anticholinesterase	1
Antichoreic	1
Anticirrhotic	2
Anticirrhotic?	1
Anticlastogen	2
Anticlaudificant?	1
Anticlimacteric	4

Activity	Chemical Count
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	4
Anticolitic?	1
Anticomplement	1
Anticomplementary	2
Anticonvulsant	5
Anticorneitic	1
Anticorneotic	1
Anticoronary	6
AntiCrohn's	4
Anticryptococcic	1
AntiCTS	1
AntiCVI	1
Anticystinuric	1
Anticystitic	1
Anticytotoxic	2
Antidandruff	4
Antidecubitic	5

Activity	Chemical Count
Antideliriant	2
Antidementia	8
Antidepressant	10
Antidepressant?	1
Antidermatitic	8
Antidermatotic	1
Antidiabetic	21
Antidiabetic?	1
Antidiarrheic	3
Antidiscotic	1
Antidiuretic	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Ammonia)	1
Antidote (Cadmium)	2
Antidote (Cyanide)	1
Antidote (Heavy Metals)	1
Antidote (Hypoglycin-A)	1
Antidote (Iodine)	1
Antidote (Lead)	3

Activity	Chemical Count
Antidote (Mercury)	1
Antidote (Paracetamol)	1
Antidote (Paraquat)	1
Antidote (pesticides)	1
Antidysgeuzic	1
Antidyskinetic	3
Antidysmenorrhic	2
Antidyspeptic	1
Antidysphagic	1
AntiEBV	1
Antieczemic	7
Antiedemic	7
Antielastase	2
Antiencephalitic	2
Antiencephalopathic	9
Antiencephalopathic?	1
Antiendometriotic	2
Antiendotoxic	1
Antienteritic	2
Antienterotic	1

Activity	Chemical Count
Antiepileptic	5
Antierythemic	1
Antiescherichic	2
Antiestrogenic	4
Antifatigue	9
Antifeedant	6
Antifertility	5
Antifibrinolytic	2
Antifibromyalgic	1
Antifibrosarcomic	2
Antifibrotic	3
Antiflu	4
Antifuruncular	1
Antigallstone	2
Antigastric	2
Antigastritic	5
Antigastrotic	1
Antigenotoxic	1
Antigiardial	3
Antigingivitic	4

Activity	Chemical Count
Antiglaucomic	4
Antiglossitic	1
Antiglutamaergic	1
Antiglycosuric	1
Antigoiter	1
Antigonadotrophic	2
Antigonadotropic	3
Antigout	1
Antigranular	1
Antigrey	1
AntiGTF	1
Antihalitosis	1
Antihangover	5
Antiheartburn	2
Antihelicobacter	1
Antihematuric	1
Antihemolytic	3
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatitic	3

Activity	Chemical Count
Antihepatoadenomic	1
Antihepatomic	1
Antihepatotic	2
Antihepatotoxic	14
Antiherpetic	15
Antiherpetic?	1
Antihiccup	1
Antihistaminic	12
AntiHIV	12
Antihomocysteine	1
Antihomocystinuric	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	4
Antihyperglycemic	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipidemic	1
Antihyperlipoproteinaemic	1

Activity	Chemical Count
Antihypertensive	13
Antihyperthyroid	2
Antihypoglycemic	1
Antiichthyosic	1
Antiichthyotic	1
Antielus?	1
Antiimplantation	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	4
Antiinflammatory	26
Antiinsomniac	5
Antiinsomniac?	1
Antiinsomnic	1
Antiischemic	3
Antikeratitic	1
Antikeshan	1
Antiketotic	2
AntiLegionella	2

Activity	Chemical Count
Antileishmanic	2
Antileptic	2
Antileukemic	15
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	7
Antileukotriene-B4	2
Antileukotriene-D4	3
Antilipemic	1
Antilipolytic	1
Antilipoperoxidant	2
Antilithic	4
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	5
Antimaculitic	5
Antimalarial	4
Antimange	1
Antimanic	3

Activity	Chemical Count
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	7
AntiMeniere's	1
Antimeningitic	1
Antimenopausal	5
Antimenorrhagic	4
Antimetastatic	9
Antimigraine	7
Antimite	1
Antimitotic	1
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	2
Antimutagenic	21
Antimyalgic	1
Antimycotic	1
Antimyocarditic	3

Activity	Chemical Count
Antinauseant	1
Antineoplastic	1
Antinephritic	3
Antinephrolytic	1
Antinesidioblastosic	1
Antineuralgic	7
Antineuramidase	1
Antineurasthenic	2
Antineuritic	2
Antineuroblastomic	1
Antineuropathic	4
Antineurotic	1
AntiNF-kB	2
Antinitrosaminic	6
Antinitrosic	1
Antinociceptive	5
Antinyctalopic	1
Antiobesity	6
Antiobesity?	1
Antioncychomycotic	1

Activity	Chemical Count
Antionychyotic	1
Antiophidic	3
Antiophthalmic	2
Antiorchitic	1
Antiosteoarthritic	4
Antiosteoporotic	9
Antiosteoporotic?	2
Antiotitic	1
Antiototic	1
Antioxidant	54
Antioxidant?	2
Antiozenic	1
Antipancreatitic	1
Antipapillomic	1
Antiparkinsonian	8
Antiparotitic	1
Antipellagic	3
Antiperiodic	1
Antiperiodontal	1
Antiperiodontic	3

Activity	Chemical Count
Antiperiodontitic	3
Antiperistaltic	2
Antipermeability	1
Antiperoxidant	9
Antiperoxyxynitrite	1
AntiPGE2	1
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplatelet	6
Antiplasmodial	2
Antiplatelet	4
AntiPMS	5
Antipneumonic	2
Antipodagric	1
Antipodriac	2
Antipolio	2
Antipoliomyelitic	3
Antiporphyrin	1

Activity	Chemical Count
Antiprogestational	1
Antiprolactin	1
Antiproliferant	11
Antiproliferative	1
Antipromoter	1
Antiprostaglandin	5
Antiprostanoid	1
Antiprostatadenomic	1
Antiprostatitic	7
Antiprostatotic	1
Antiprotozoal	1
Antipruritic	1
AntiPSA	1
Antipsoriac	3
Antipsoriatic	1
Antipsychotic	1
Antipurpuric	1
Antipyretic	4
Antiradicular	15
AntiRaynaud's	3

Activity	Chemical Count
Antiretardation	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatic	8
Antirheumatitic?	1
Antirhinitic	2
Antisalmonella	1
Antisarcotic	3
Antischizophrenic	1
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	3
Antiseptic	24
Antiserotonin	2
Antishigellid	1
Antishingles	1
Antishock	2
Antisickling	6
Antisilicotic	1

Activity	Chemical Count
Antisinusitic	1
Antispasmodic	16
Antispasmophilic	1
Antistaphylococcic	11
Antisteatotic	1
Antistomatitic	3
Antistreptococcic	1
Antistress	5
Antistroke	3
Antisunburn	3
Antisyndrome-X	6
Antitachycardic	1
AntiTGF-beta	1
Antithiamin	2
Antithrombic	2
Antithrombogenic	1
Antithrombotic	4
Antithyroid	5
Antithyrotoxic	2

Activity	Chemical Count
Antitic	1
Antitinnitic	1
Antitriglyceride	3
Antitrypanosomic	4
Antitubercular	2
Antitumor	29
Antitumor (Bladder)	2
Antitumor (brain)	1
Antitumor (Breast)	7
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	11
Antitumor (Esophagus)	1
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	2
Antitumor (Gastric)	1
Antitumor (Intestine)	1
Antitumor (Kidney)	1
Antitumor (Liver)	6
Antitumor (Lung)	10

Activity	Chemical Count
Antitumor (Ovary)	2
Antitumor (Pancreas)	2
Antitumor (Prostate)	5
Antitumor (Skin)	6
Antitumor (Stomach)	6
Antitumor-Promoter	9
Antitussive	1
Antitympanitic	1
Antiulcer	18
Antiulcerogenic	2
Antiuremic	1
Antiuricosuric	1
Antivaccinia	1
Antivaginitic	1
Antivaricose	2
Antivertigo	1
Antiviral	21
Antiviral?	1
Antivitaligic	1
Antixerophthalmic	1

Activity	Chemical Count
Anxiolytic	9
AP-1-Inhibitor	1
Aphrodisiac	1
Apoptotic	13
Aromatase-Inhibitor	3
Artemicide	2
Arteriodilator	2
Arylamine-N-Acetyltransferase-Inhibitor	2
Ascaricide	2
Asthma-preventive	1
Astringent	1
Atherogenic	1
ATPase-Inhibitor	1
Autotoxic	1
Avifuge	1
Bacteristat	1
Barbituate-Synergist	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	3
Beta-Glucuronidase-Inhibitor	3

Activity	Chemical Count
Bifidogenic	1
Bradycardiac	1
Bronchorelaxant	2
Bruchiphobe	1
Calcium-Antagonist	6
Calcium-Antagonist?	1
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	3
Cancer-Preventive	49
Cancer-Preventive (Esophagus)	1
Candidicide	9
Candidistat	2
Capillariprotective	2
Carcinogenic	6
Cardiac	2
Cardiodepressant	1
Cardiomyopathogenic	1
Cardioprotective	12
Cardiotonic	1

Activity	Chemical Count
Cardiotoxic	1
Carminative	1
Caspase-3-Inducer	1
Caspase-8-Inducer	1
Catabolic	3
Cerebrotonic	1
Chelator	1
Chemopreventive	9
Chemopreventive (Breast Cancer)	1
Chemopreventive (Colon Cancer)	1
Cholagogue	3
Choleretic	9
Cholinergic	1
Circulotonic	2
Clastogenic	2
CNS-Active	2
CNS-Depressant	3
CNS-Stimulant	2
Co-carcinogenic	1
Coagulant	1

Activity	Chemical Count
Cold-preventive	1
Collagen-Sparing	2
Collagenase-Inhibitor	1
Collagenic	2
Collyrium	1
Colorant	2
Comedogenic	1
Comedolytic	2
COMP-Inhibitor	1
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	1
COX-1-Inhibitor	2
COX-2-Inhibitor	9
Culicide	1
Cyclooxygenase-Inhibitor	7
Cytochrome-P450-1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1

Activity	Chemical Count
Cytochrome-P450-2E1-Inhibitor	1
Cytoprotective	2
Cytostatic	1
Cytotoxic	8
Decalcifier	1
Deiodinase-Inhibitor	2
Demulcent	2
Deodorant	2
Depressant	1
Dermal	1
Dermatitigenic	3
Detoxicant	2
Detoxicant (Alcohol)	1
Diagnostic	1
Diaphoretic?	3
Differentiator	3
Diuretic	14
DNA-Active	1
DNA-Protective	2
Dye	3

Activity	Chemical Count
Elastase-Inhibitor	1
Embryotoxic	1
Emetic	4
Emollient	1
Encephalopathic	1
Energizer	1
Epidermal-Stimulant	1
Ergogenic	1
Erythrocytogenic	1
Essential	8
Estrogenic	7
Estrogenic?	1
Expectorant	5
Febrifuge	1
Fibrinolytic	2
Fistula-Preventive	1
Flatugenic	3
FLavor	12
Fungicide	24
Fungistat	2

Activity	Chemical Count
GABA-nergic	1
Gastroprotective	1
Gastrostimulant	1
Glaucomagenic	1
Glucogonogenic	1
Glucosyl-Transferase-Inhibitor	1
Glutathione-Sparing	1
Glutathionergic	1
Glutathionigenic	2
Goitrogenic	2
Gonadotrophic	1
Gram(+)-icide	4
Gram(-)-icide	2
GT-Inducer	1
Hemolytic	2
Hemostat	4
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	16
Hepatotoxic	2

Activity	Chemical Count
Hepatotropic	2
Herbicide	4
HIF-1alpha-Inhibitor	1
Histamine-Inhibitor	2
HIV-RT-Inhibitor	2
Hyaluronidase-Inhibitor	1
Hydrocholerectic	1
Hypercholesterolemic	3
Hyperglycemic	2
Hypertensive	1
Hyperthyroid	1
Hypnotic	2
Hypoammonemic	2
Hypoarginanemic	2
Hypocalcemic	1
Hypocholesterolemic	34
Hypoglycemic	21
Hypolipemic	1
Hypolipidemic	5
Hypotensive	17

Activity	Chemical Count
Hypothermic	1
Hypouricemic	1
ICAM-1-Inhibitor	2
IKK-Inhibitor	1
Ileorelaxant	1
Immunomodulator	12
Immunostimulant	15
Immunosuppressant	3
Inflammatory	1
iNOS-Inhibitor	3
Inotropic	3
Insecticide	5
Insectifuge	11
Insectiphile	5
Insulin-Sparing	3
Insulinase-Inhibitor	2
Insulinic	1
Insulinogenic	5
Insulinotonic	2
Interferon-Synergist	1

Activity	Chemical Count
Interferonogenic	2
Interleukin-6-Inhibitor	1
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	5
JNK-Inhibitor	1
Juvabional	3
Keratolytic	2
Lachrymatory	1
Larvicide	4
Larvostat	4
Laxative	11
Leptingenic	1
Leucocytogenic	1
Leukotriene-Inhibitor	2
Lipolytic	11
Lipotropic	2
Lipoxygenase-Inhibitor	9
Lithogenic	2
Litholytic	1
Lubricant	2

Activity	Chemical Count
Lyase-Inhibitor	1
Lymphocytogenic	1
MAO-A-Inhibitor	1
MAO-Inhibitor	2
MAPK-Inhibitor	1
Mast-Cell-Stabilizer	1
Memorigenic	2
Memory-Enhancer	1
Metal-Chelator	3
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Monoamine-Precursor	3
Mosquitofuge	1
Motor-Depressant	1
Mucogenic	2
Mucokinetic	2
Mucolytic	1
Musculotropic	1

Activity	Chemical Count
Mutagenic	6
Mycobactericide	2
Myocontractant	1
Myoprotective	1
Myorelaxant	5
NADH-Oxidase-Inhibitor	2
Natriuretic	1
Nematicide	7
Neoplastic	1
NEP-Inhibitor	1
Nephroprotective	1
Nephrotoxic	1
Neuroexcitant	1
Neuroinhibitor	1
Neuroprotective	3
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inducer	1
NF-kB-Inhibitor	6
NO-Genic	2

Activity	Chemical Count
NO-Inhibitor	5
NO-Synthase-Inhibitor	2
Nodulation-Signal	1
Occuloirritant	2
Ophthalmic-Antialkali	1
Ornithine-Decarboxylase-Inhibitor	6
Osmoregulator	1
Osteogenic	1
Oviposition-Stimulant	2
Ovulant	1
Oxidant	3
Oxidase-Inhibitor	1
Oxytotic	1
P21-Inducer	1
P450-2B1-Inhibitor	1
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	3
Papain-Inhibitor	1
Parasiticide	1

Activity	Chemical Count
Parasympathomimetic	1
Pemphigenic	2
Percutaneostimulant	1
Perfumery	10
Peristaltic	1
Pesticide	51
PGE2-Inhibitor	1
Phagocytotic	5
Phospholipase-Inhibitor	1
Phytoalexin	1
Piscicide	1
Pituitary-Stimulant	1
PKC-Inhibitor	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	2
Poultice	1
Prebiotic	1
Preservative	2
Probiotic	1
Probiotigenic	1

Activity	Chemical Count
Progestational	1
Prolactinogenic	1
Proliferant	1
Prooxidant	5
Propepic	5
Prostaglandigenic	4
Prostaglandin-Inhibitor	1
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	5
Prostaglandin-Synthetase-Inhibitor	2
Prostatitigenic	1
Protein-Kinase-C-Inhibitor	3
Protisticide	7
PTK-Inhibitor	2
Pyrogenic	2
Quinone-Reductase-Inducer	5
Radioprotective	3
Respirapalytic	1
Respirastimulant	1
Roborant	1

Activity	Chemical Count
Scabicide	1
Schizophrenigenic	1
Secretagogue	1
Secretomotor	1
Sedative	10
Serotonergic	2
Soap	1
Spermicide	2
Spermigenic	2
Spice	1
Squalene-Monooxygenase-Inhibitor	2
Succinate-Dehydrogenase-Inhibitor	1
Sunscreen	5
Sweetener	4
Taenicide	1
Teratogenic	1
Teratologic	2
Termitifuge	1
Testosteronigenic	1
Thermogenic	1

Activity	Chemical Count
Thymoprotective	1
Thyrotropic	1
Tineacide	2
TNF-alpha-Inhibitor	3
Topoisomerase-I-Inhibitor	4
Topoisomerase-II-Inhibitor	5
Tranquilizer	2
Tremorigenic	1
Trichomonicide	5
Triglycerigenic	1
Triglycerolytic	1
Trypanocide	2
Trypanosomastat	1
Tumor-Promoter	3
Tumorigenic	2
Tyrosinase-Inhibitor	5
Tyrosine-Kinase-Inhibitor	3
Ubiquiot	4
Ulcerogenic	2
Urease-Inhibitor	1

Activity	Chemical Count
Uricogenic	1
Uricosuric	3
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	1
Uterotonic	1
Uterotrophic	2
Vasodilator	15
Vasopressor	2
VEGF-Inhibitor	4
Vibriocide	1
Vulnerary	6
Xanthine-Oxidase-Inhibitor	4