

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in *Allium cepa***

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	5
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	9
Abortifacient	1
Acantholytic	1
Acaricide	1
Acarifuge	1
ACE-Inhibitor	3
Acetylcholinergic	1
Acidifier	1
Acidulant	3
Additive	2
Adjuvant	1
Aggregant	1
Albuminurigenic	1
Alcohol-Dehydrogenase-Inhibitor	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	9
Allelochemic	3
Allelopathic	3
Allergenic	13
Alpha-Amylase-Inhibitor	1
Alpha-Glucosidase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Amebicide	2
Amphiglycemic?	1

Activity	Chemical Count
Analgesic	11
Anaphrodisiac	1
Androgenic	2
Androgenic?	1
Anemiagenic	2
Anesthetic	2
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anhydrotic	1
Anorexic	3
Anthelmintic	3
Antiacetylcholinesterase	1
Antiacid	1
Antiacne	7
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
AntiAddisonian	1
Antiadenomic	1
Antiadenoviral	1
Antiadrenalinic	1
Antiaflatoxin	2
AntiAGE	2
Antiaggregant	16
Antiaging	5
Antiakathisic	1
Antialcoholic	6

Activity	Chemical Count
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergic	17
Antialopepic	4
Antialzheimeran	7
Antiamblyopic	1
Antianaphylactic	2
Antiandrogenic	4
Antianemic	3
Antianginal	3
Antiangiogenic	3
Antianorectic	2
Antianorexic	1
Antianxiety	3
Antiaphthic	1
Antiapoplectic	1
Antiapoptotic	1
Antiarabiflavinotic	1
Antiarrhythmic	7
Antiartherosclerotic	3
Antiarthritic	14
Antiasthmatic	15
Antiatherogenic	2
Antiatheromic	1
Antiatherosclerotic	14
Antibacillary	1

Activity	Chemical Count
Antibackache	1
Antibacterial	32
Antiberiberi	1
Antibiotic	4
AntiBPH	1
Anticalculic	1
Anticancer	8
Anticancer (Breast)	5
Anticancer (Cervix)	2
Anticancer (Colon)	2
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	1
Anticancer (Liver)	3
Anticancer (Lung)	1
Anticancer (Skin)	1
Anticancer (Stomach)	3
Anticanker	3
Anticapillary-Fragility	1
Anticarcinogenic	3
Anticarcinomic	2
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	2
Anticariogenic?	1
Anticarpal-Tunnel	1
Anticataract	11
Anticephalagic	3

Activity	Chemical Count
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2
Antichilblain	1
Anticholinesterase	1
Antichoreic	1
Anticirrhotic	2
Anticirrhotic?	1
Anticlastogen	3
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticollegenase	1
Anticomplement	1
Anticomplementary	1
Anticonvulsant	5
Anticorneotic	1
Anticoronary	5
AntiCrohn's	3
Anticryptococcic	1
AntiCTS	1
AntiCVI	1
Anticystinuric	1
Anticystitic	1

Activity	Chemical Count
Anticytotoxic	2
Antidandruff	3
Antidecubitic	3
Antideliriant	1
Antidementia	8
Antidepressant	12
Antidepressant?	1
Antidermatitic	5
Antidiabetic	20
Antidiabetic?	1
Antidiarrheic	1
Antidiscotic	1
Antidiuretic	1
Antidote	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Heavy Metals)	1
Antidote (Hypoglycin-A)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paracetamol)	1
Antidote (Paraquat)	1
Antidysgeuzic	1
Antidyskinetic	3
Antidysmenorrhic	2
Antidyspeptic	1

Activity	Chemical Count
Antidysphagic	1
Antieczemic	6
Antiedemic	7
Antielastase	4
Antiencephalitic	2
Antiencephalopathic	7
Antiencephalopathic?	1
Antiendometriotic	2
Antiendotoxic	1
Antienteritic	1
Antienterotic	1
Antiepileptic	5
Antierhythmic	1
Antiescherichic	2
Antiestrogenic	3
Antifatigue	8
Antifeedant	5
Antifertility	5
Antifibrinolytic	2
Antifibromyalgic	2
Antifibrosarcomic	1
Antifibrotic	3
Antiflu	5
Antifuruncular	1
Antigallstone	2
Antigastric	1
Antigastritic	4

Activity	Chemical Count
Antigastrotic	1
Antigiardial	1
Antigingivitic	3
Antiglaucomic	4
Antiglossitic	1
Antiglycosuric	1
Antigonadotrophic	2
Antigonadotropic	3
Antigout	1
Antigranular	1
Antigrey	1
AntiGTF	1
Antihangover	5
Antiheartburn	1
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatitic	3
Antihepatoadenomic	1
Antihepatocarcinogenic	1
Antihepatomic	1
Antihepatotic	1
Antihepatotoxic	13
Antiherpetic	11
Antiherpetic?	1
Antihiccup	1



Activity	Chemical Count
Antihistaminic	8
AntiHIV	7
Antihomocysteine	1
Antihomocystinuric	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	3
Antihyperglycemic	2
Antihyperinsulinemic	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperleptinemic	1
Antihyperlipidemic	1
Antihyperlipoproteinaemic	1
Antihypertensive	12
Antihyperthyroid	2
Antihypoglycemic	1
Antiichthyotic	1
Antielus?	1
Antiimplantation	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	4
Antiinflammatory	26
Antiinsomniac	6

Activity	Chemical Count
Antiinsomniac?	1
Antiinsomnic	1
Antiischemic	3
Antikeratitic	1
Antikeshan	1
Antiketotic	2
AntiLegionella	2
Antileishmanic	2
Antileptic	2
Antileukemic	11
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	5
Antileukotriene-D4	4
Antilipemic	1
Antilipolytic	1
Antilipoperoxidant	2
Antilithic	4
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	3
Antimaculitic	6
Antimalarial	3
Antimanic	3
Antimastalgic	1
Antimastitic	1

Activity	Chemical Count
Antimeasles	1
Antimelanogenic	2
Antimelanomic	3
AntiMeniere's	1
Antimeningitic	1
Antimenopausal	5
Antimenorrhagic	3
Antimetastatic	6
Antimigraine	6
Antimitotic	1
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	3
Antimutagenic	18
Antimyalgic	1
Antimyocarditic	2
Antimyopic	1
Antinauseant	1
Antineoplastic	2
Antinephritic	3
Antinephrolytic	1
Antineuralgic	4
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	3
Antineurotic	1

Activity	Chemical Count
AntiNF-kB	1
Antinitrosaminic	5
Antinitrosic	1
Antinociceptive	8
Antinyctalopic	3
Antiobesity	7
Antionychyotic	1
Antiophidic	4
Antiophthalmic	2
Antiorchitic	1
Antiosteoarthritic	4
Antiosteoporotic	9
Antiotitic	1
Antiototic	1
Antioxidant	45
Antioxidant Synergist	3
Antioxidant?	2
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	8
Antiparotitic	1
Antipellagic	3
Antiperiodontal	1
Antiperiodontic	2
Antiperiodontitic	3
Antiperistaltic	1

Activity	Chemical Count
Antipermeability	1
Antiperoxidant	7
Antiperoxyinitrite	1
AntiPGE2	1
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplateque	5
Antiplateque?	1
Antiplasmodial	2
Antiplatelet	3
AntiPMS	6
Antipneumonic	2
Antipodriac	2
Antipolio	1
Antipoliomyelitic	2
Antipolyneuritic	1
Antiporphyric	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	8
Antiproliferative	1
Antiprostaglandin	4
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	7

Activity	Chemical Count
Antiprostatotic	1
Antiprotozoal	1
Antipruritic	2
Antipsoriac	3
Antipsychotic	2
Antipurpuric	1
Antipyretic	3
Antiradicular	18
AntiRaynaud's	3
Antiretardation	1
Antiretinitic Optometry	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatalgic	1
Antirheumatic	9
Antirheumatitic?	1
Antirhinitic	1
Antisalmonella	1
Antisarcomic	3
Antischizophrenic	1
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	3
Antiseptic	22
Antiserotonin	2
Antishigellc	1

Activity	Chemical Count
Antishingles	1
Antisickling	6
Antisilicotic	1
Antispare-Tire	1
Antispasmodic	14
Antispasmophilic	1
Antistaphylococcic	8
Antisteatotic	1
Antistomatitic	3
Antistreptococcic	1
Antistress	4
Antistroke	3
Antisunburn	2
Antisyndrome-X	6
Antitachycardic	1
AntiTGF-beta	1
Antithiamin	3
Antithrombic	2
Antithrombogenic	1
Antithrombotic	1
Antithyreotropic	2
Antithyroid	4
Antitic	1
Antitinnitic	1
Antitriglyceride	3
Antitrypanosomic	3
Antitubercular	3

Activity	Chemical Count
Antitumor	25
Antitumor (Bladder)	2
Antitumor (brain)	1
Antitumor (Breast)	8
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	9
Antitumor (Esophagus)	1
Antitumor (Esophagus)?	1
Antitumor (Fore stomach)	1
Antitumor (Gastric)	1
Antitumor (Intestine)	1
Antitumor (Kidney)	1
Antitumor (Liver)	3
Antitumor (Lung)	9
Antitumor (Mouth)	1
Antitumor (Ovary)	2
Antitumor (Pancreas)	1
Antitumor (Prostate)	4
Antitumor (Skin)	4
Antitumor (Stomach)	5
Antitumor-Promoter	9
Antitussive	2
Antiulcer	16
Antiulcerogenic	2
Antiuremic	1
Antiuricosuric	1



Activity	Chemical Count
Antivaccinia	1
Antivaginitic	2
Antivaricose	3
Antivertigo	1
Antiviral	18
Antiviral?	1
Antivittilgic	1
Antixerophthalmic	1
Anxiolytic	8
AP-1-Inhibitor	1
Aphrodisiac	2
Apoptotic	9
Aromatase-Inhibitor	2
Artemicide	2
Arteriodilator	2
Arylamine-N-Acetyltransferase-Inhibitor	2
Ascaricide	1
Asthma-preventive	1
Astringent	2
Atherogenic	1
ATPase-Inhibitor	1
Avifuge	1
Bacteristat	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	3
Beta-Glucuronidase-Inhibitor	2
Bilirubinolytic	1

Activity	Chemical Count
Bradycardiac	1
Bruchiphobe	2
Calcium-Antagonist	4
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	3
Cancer-Preventive	43
Cancer-Preventive (Esophagus)	1
Candidicide	5
Capillarigenic	1
Capillariprotective	2
Carcinogenic	7
Cardiac	1
Cardiodepressant	1
Cardiomyopathogenic	1
Cardioprotective	12
Cardiotonic	1
Cardiotoxic	1
Cardiovascular	1
Caspase-8-Inducer	1
Catabolic	3
Cerebrotonic	1
Chemopreventive	7
Cholagogue	2
Choleretic	8
Cholesterolytic	1
Cholinergic	2

Activity	Chemical Count
Circulotonic	2
Clastogenic	1
CNS-Active	1
CNS-Depressant	2
CNS-Paralytic	1
CNS-Stimulant	1
Co-carcinogenic	2
Cold-preventive	1
Collagen-Sparing	1
Collagenic	2
Collyrium	1
Colorant	3
Comedogenic	1
Comedolytic	1
COMT-Inhibitor	1
Contraceptive	2
Convulsant	1
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	2
COX-1-Inhibitor	2
COX-2-Inhibitor	7
Cyclooxygenase-Inhibitor	12
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-2E1-Inhibitor	1
Cytoprotective	2
Cytotoxic	5

Activity	Chemical Count
Decalcifier	1
Deiodinase-Inhibitor	1
Deliriant	1
Demulcent	2
Deodorant	1
Depressant	2
Dermatitigenic	4
Detoxicant	2
Detoxicant (Alcohol)	1
Diagnostic	1
Diaphoretic	1
Diaphoretic?	3
Differentiator	1
Disinfectant	1
Diuretic	13
DNA-Active	1
DNA-Protective	1
Dye	3
Elastase-Inhibitor	1
Emetic	2
Encephalopathic	1
Energizer	1
Epidermal-Stimulant	1
Ergogenic	1
Erythrocytogenic	1
Essential	8
Estrogenic	5

Activity	Chemical Count
Estrogenic?	1
Expectorant	2
Fatal	1
Febrifuge	1
Fibrinolytic	2
Fistula-Preventive	1
Flatugenic	2
Flatulent	2
FLavor	16
Fungicide	16
Fungistat	1
GABA-nergic	1
Gastroprotective	2
Glucogonogenic	1
Glucosyl-Transferase-Inhibitor	1
Glutathione-Depleting	1
Glutathionergic	1
Glutathionigenic	1
Goitrogenic	2
Gonadotrophic	2
Gram(+)icide	3
Gram(-)icide	1
GT-Inducer	1
Hemolytic	2
Hemopoietic	1
Hemostat	5
Hemostatic	1

Activity	Chemical Count
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	17
Hepatotonic	1
Hepatotoxic	4
Hepatotropic	2
Herbicide	4
Histamine-Inhibitor	1
HIV-RT-Inhibitor	2
Hydrocholerectic	1
Hypercholesterolemic	3
Hyperglycemic	2
Hypertensive	3
Hyperuricemic	1
Hypnotic	3
Hypoammonemic	1
Hypoarginanemic	1
Hypocalcemic	1
Hypocholesterolemic	27
Hypoglycemic	17
Hypolipemic	1
Hypolipidemic	4
Hypotensive	17
Hypothermic	1
Hypouricemic	1
ICAM-1-Inhibitor	1
Ileorelaxant	1

Activity	Chemical Count
Immunomodulator	12
Immunostimulant	13
Immunosuppressant	3
Inflammatory	1
iNOS-Inhibitor	2
Inotropic	2
Insecticide	6
Insectifuge	10
Insectiphile	4
Insulin-Sparing	3
Insulinase-Inhibitor	1
Insulinic	1
Insulinogenic	4
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	1
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	9
JNK-Inhibitor	1
Juvabional	3
Keratitigenic	1
Keratolytic	1
Lachrymatory	1
Larvicide	4
Larvostat	2
Laxative	11
Laxative?	2

Activity	Chemical Count
Leptingenic	1
Leucocytogenic	1
Leukotriene-Inhibitor	1
Lipolytic	7
Lipotropic	2
Lipoxygenase-Inhibitor	6
Lithogenic	3
Litholytic	2
Lubricant	3
Lyase-Inhibitor	1
Lymphocytogenic	1
MAO-A-Inhibitor	1
MAO-Inhibitor	2
Mast-Cell-Stabilizer	1
Memorigenic	2
Memory-Enhancer	1
Metal-Chelator	2
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Monoamine-Precursor	3
Mucogenic	2
Mucokinetic	1
Mucolytic	2
Mucotropic	1
Mutagenic	4



Activity	Chemical Count
Mycobactericide	3
Myoprotective	1
Myorelaxant	3
NADH-Oxidase-Inhibitor	1
Natriuretic	2
Nematicide	6
Neoplastic	1
NEP-Inhibitor	1
Nephrotoxic	5
Neuroexcitant	1
Neuroinhibitor	1
Neurolytic	1
Neuroprotective	3
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inhibitor	4
NO-Genic	1
NO-Inhibitor	3
NO-Scavenger	1
NO-Synthase-Inhibitor	1
Oculoirritant	2
Odontolytic	1
Ophthalmic-Antialkali	1
Ornithine-Decarboxylase-Inhibitor	4
Osmoregulator	1
Osteogenic	1
Osteolytic	1

Activity	Chemical Count
Oviposition-Stimulant	1
Ovulant	1
Oxidant	2
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	3
Papain-Inhibitor	1
Parasiticide	1
Parasympathomimetic	1
Pemphigenic	1
Percutaneostimulant	2
Perfumery	7
Peristaltic	1
Pesticide	49
PGE2-Inhibitor	1
Phagocytotic	6
Phospholipase-Inhibitor	1
Phytoalexin	1
Phytohormonal	1
Piscicide	1
Pituitary-Stimulant	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Preservative	2
Progesteronigenic	1
Prolactinogenic	1
Proliferant	1

Activity	Chemical Count
Prooxidant	5
Propecic	6
Prostaglandigenic	5
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	5
Prostaglandin-Synthetase-Inhibitor	1
Protein-Kinase-C-Inhibitor	2
Protisticide	4
PTK-Inhibitor	1
Pyrogenic	1
Quinone-Reductase-Inducer	9
Radioprotective	2
Refrigerant	1
Renotoxic	1
Respirastimulant	1
Retinoprotectant Optometry	1
Roborant	1
Rubefacient	1
Scabicide	1
Schizophrenigenic	1
Sclerosant	1
Secretagogue	2
Secretomotor	1
Sedative	7
Sequestrant	1
Serotoninergic	3
Sialogogue	1

Activity	Chemical Count
Soap	1
Spermicide	3
Spermigenic	2
Squalene-Monooxygenase-Inhibitor	1
Succinate-Dehydrogenase-Inhibitor	1
Sunscreen	3
Suppository	1
Surfactant	1
Sweetener	3
Teratogenic	1
Teratologic	2
Testosteronigenic	1
Thymoprotective	1
Thyrotropic	1
TNF-alpha-Inhibitor	3
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	4
Tranquilizer	2
Tremorigenic	1
Tremorilytic	1
Trichomonicide	3
Triglycerigenic	1
Triglycerolytic	2
Trypanosomastat	1
Tumor-Promoter	2
Tumorigenic	2
Tyrosinase-Inhibitor	4

Activity	Chemical Count
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	7
Ulcerogenic	3
Urease-Inhibitor	1
Uricogenic	1
Uricosuric	3
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	1
Uterotonic	1
Uterotrophic	1
Varroacide	1
Vasoactive	1
Vasodilator	15
Vasopressor	2
Vasoprotective	1
VEGF-Inhibitor	2
Verrucolytic	1
Vibriocide	1
Viristat	1
Vulnerary	4
Xanthine-Oxidase-Inhibitor	3