

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in Beta vulgaris

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	5
5-Lipoxygenase-Inhibitor	2
Abortifacient	1
Acaricide	1
Acarifuge	1
ACE-Inhibitor	1
Acetylcholinergic	1
Acidifier	1
Acidulant	2
Additive	1
Adjuvant	1
Aggregant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	8
Allelochemic	3
Allelopathic	4
Allergenic	11
Alpha-Amylase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Amphiglycemic?	1
Analeptic	1
Analgesic	10
Androgenic	2
Androgenic?	1
Anemiagenic	2
Anesthetic	1

Activity	Chemical Count
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	3
Anthelmintic	1
Antiacid	1
Antiacne	8
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	2
Antiadenoviral	1
Antiadrenalinic	1
Antiaflatoxin	2
AntiAGE	2
Antiaggregant	9
Antiaging	5
Antiakathisic	1
Antialcoholic	4
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergic	7
Antialopepic	4
Antialzheimeran	6
Antiamblyopic	1
Antianaphylactic	2
Antiandrogenic	4

Activity	Chemical Count
Antianemic	6
Antianginal	3
Antiangiogenic	3
Antianorectic	2
Antianorexic	1
Antianxiety	3
Antiaphthic	1
Antiarabiflavivotic	1
Antiarrhythmic	4
Antiarteriosclerotic	3
Antiarthritic	14
Antiasthmatic	6
Antiatherogenic	1
Antiatherosclerotic	9
Antibackache	1
Antibacterial	13
Antiberiberi	1
AntiBPH	1
Anticalculic	1
Anticancer	6
Anticancer (Breast)	1
Anticancer (Cervix)	1
Anticancer (Colon)	2
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	2
Anticancer (Liver)	2
Anticancer (Lung)	1

Activity	Chemical Count
Anticancer (Pancreas)	1
Anticancer (Skin)	2
Anticanker	3
Anticarcinogenic	3
Anticarcinomic	1
Anticarcinomic (Breast)	1
Anticarcinomic (Colon)	1
Anticarcinomic (Lung)	1
Anticardiospasmic	1
Anticariogenic	1
Anticarpal-Tunnel	1
Anticataract	9
Anticephalagic	4
Anticerebrotic	1
Anticervicaldysplasic	4
AntiCFS	3
Anticheilitic	3
Antichilblain	1
Anticholesteremic	1
Antichoreic	1
Anticirrhotic	1
Anticirrhotic?	1
Anticlastogen	1
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1

Activity	Chemical Count
Anticold	2
Anticolitic	3
Anticomplementary	1
Anticonvulsant	4
Anticorneotic	1
Anticoronary	5
AntiCrohn's	3
AntiCTS	1
Anticystitic	2
Antidandruff	5
Antidecubitic	3
Antideliriant	1
Antidementia	6
Antidepressant	11
Antidepressant?	1
Antidermatitic	3
Antidermatotic	1
Antidiabetic	12
Antidiabetic?	1
Antidiscotic	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Ammonia)	1
Antidote (Cadmium)	2
Antidote (Hypoglycin-A)	1
Antidote (Lead)	3
Antidote (Mercury)	1

Activity	Chemical Count
Antidote (Paracetamol)	1
Antidote (Paraquat)	1
Antidrepanocytic	1
Antidysgeuzic	1
Antidyskinetic	2
Antidysmenorrhic	2
Antidyspeptic	1
Antidysphagic	1
AntiEBV	1
Antieczemic	6
Antiedemic	4
Antielastase	2
Antiencephalitic	2
Antiencephalopathic	8
Antiencephalopathic?	1
Antiendometriotic	2
Antienterotic	1
Antiepileptic	5
Antiescherichic	3
Antiestrogenic	3
Antifatigue	8
Antifeedant	3
Antifertility	3
Antifibrinolytic	2
Antifibromyalgic	1
Antifibrosarcomic	1
Antifibrotic	3

Activity	Chemical Count
Antiflu	2
Antifuruncular	1
Antigallstone	1
Antigastric	1
Antigastritic	4
Antigastrotic	1
Antigenotoxic	1
Antigingivitic	3
Antiglaucomic	2
Antiglossitic	2
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	3
Antigout	1
Antigranular	1
Antigranulocytopenic	1
Antigrey	1
AntiGTF	1
Antihangover	4
Antiheartburn	1
Antihemolytic	2
Antihemorrhagic	1
Antihepatitic	2
Antihepatoadenomic	1
Antihepatomic	1
Antihepatotic	1
Antihepatotoxic	7

Activity	Chemical Count
Antiherpetic	8
Antiherpetic?	1
Antihiccup	1
Antihistaminic	7
AntiHIV	5
Antihomocystinuric	2
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	3
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	10
Antihyperthyroid	3
Antihypoglycemic	1
Antiichthyosic	1
Antiichthyotic	1
Antielus?	1
Antiimplantation	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	4
Antiinflammatory	18
Antiinsomniac	5
Antiinsomniac?	1

Activity	Chemical Count
Antiinsomnic	1
Antiischemic	1
Antikeratitic	1
Antikeshan	1
Antiketotic	1
Antilactobacillic	1
AntiLegionella	2
Antileishmanic	2
Antileptic	2
Antilethargic	1
Antileukemic	9
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	4
Antileukotriene-D4	4
Antilipoperoxidant	2
Antilisteria	1
Antilithic	3
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	2
Antimaculitic	5
Antimalarial	1
Antimanic	2
Antimastalgic	1
Antimastitic	1

Activity	Chemical Count
Antimeasles	1
Antimelanogenic	2
Antimelanomic	3
AntiMeniere's	1
Antimenopausal	5
Antimenorrhagic	3
Antimetastatic	4
Antimigraine	5
Antimitotic	1
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	3
Antimutagenic	14
Antimyalgic	1
Antimyelotoxic	1
Antimyotrophic	1
Antimyocarditic	2
Antineoplastic	1
Antinephritic	1
Antinephrolytic	1
Antineuralgic	3
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	4
Antineurotic	1
AntiNF-kB	1

Activity	Chemical Count
Antinitrosaminic	5
Antinitrosic	1
Antinociceptive	2
Antinyctalopic	1
Antiobesity	5
Antioncychomycotic	1
Antionychyotic	1
Antiophidic	2
Antiophthalmic	1
Antiorchitic	1
Antiosteoarthritic	4
Antiosteoporotic	9
Antiototic	1
Antioxidant	27
Antioxidant Synergist	2
Antioxidant?	2
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	8
Antiparotitic	1
Antipellagic	3
Antipeptic	1
Antiperiodic	1
Antiperiodontal	1
Antiperiodontic	1
Antiperiodontitic	4

Activity	Chemical Count
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	7
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplantar	1
Antiplaque	5
Antiplasmodial	1
AntiPMS	6
Antipneumonic	1
Antipodagric	1
Antipodriac	2
Antipolio	3
Antipoliomyelitic	2
Antipolyneuritic	1
Antiporphyric	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	4
Antiprostaglandin	3
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatitic	7
Antiprostatotic	1
Antipruritic	1

Activity	Chemical Count
Antipsoriac	4
Antipsychotic	3
Antipyretic	4
Antiradicular	14
AntiRaynaud's	3
Antiretardation	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatic	8
Antirheumatitic?	1
Antirhinitic	1
Antischizophrenic	1
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	3
Antiseptic	12
AntiSeptic-Shock	1
Antiserotonin	2
Antishingles	1
Antisickling	5
Antisilicotic	1
Antispare-Tire	1
Antispasmodic	10
Antispasmophilic	1
AntiSpina-Bifida	1
Antistaphylococcic	2

Activity	Chemical Count
Antistomatitic	2
Antistreptococcic	1
Antistress	5
Antistroke	3
Antisunburn	2
Antisyndrome-X	6
Antithiamin	2
Antithrombic	2
Antithyroid	2
Antititic	1
Antitinnitic	2
Antitriglyceride	2
Antitrypanosomic	1
Antitubercular	1
Antitumor	14
Antitumor (Bladder)	2
Antitumor (brain)	1
Antitumor (Breast)	4
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	4
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	2
Antitumor (Gastric)	1
Antitumor (Liver)	2
Antitumor (Lung)	6
Antitumor (Ovary)	2

Activity	Chemical Count
Antitumor (Prostate)	3
Antitumor (Skin)	4
Antitumor (Stomach)	2
Antitumor-Promoter	8
Antitympanic	1
Antiulcer	12
Antiulcerogenic	3
Antiuremic	1
Antiuricosuric	1
Antivaccinia	1
Antivaginitic	1
Antivaricose	1
Antivertigo	1
Antiviral	11
Antiviral?	1
Antivittilic	1
Antixerophthalmic	1
Antiyeast	1
Anxiolytic	8
AP-1-Inhibitor	1
Aphrodisiac	1
Apoptotic	6
Aromatase-Inhibitor	1
Artemicide	1
Arteriodilator	1
Ascaricide	1
Asthma-preventive	1

Activity	Chemical Count
Astringent	1
Atherogenic	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	1
Bradycardiac	1
Bronchoprotectant	1
Bruchiphobe	1
Calcium-Antagonist	3
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	28
Candidicide	5
Capillariprotective	1
Carcinogenic	5
Cardiac	1
Cardiomyopathogenic	1
Cardioprotective	12
Cardiotoxic	1
Cardiovascular	1
Caspase-8-Inducer	1
Catabolic	1
Chemopreventive	4

Activity	Chemical Count
Cholagogue	3
Choleretic	10
Cholinergic	1
Circulotonic	2
Clastogenic	2
CNS-Active	2
CNS-Depressant	1
CNS-Inhibitor	1
CNS-Paralytic	1
CNS-Stimulant	2
Co-carcinogenic	1
Cold-preventive	1
Collagen-Sparing	2
Collagenic	2
Collyrium	1
Colorant	1
Comedogenic	1
Comedolytic	2
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	1
COX-1-Inhibitor	1
COX-2-Inhibitor	5
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-1A2-Inhibitor	1

Activity	Chemical Count
Cytoprotective	1
Cytotoxic	4
Deiodinase-Inhibitor	1
Deliriant	1
Demulcent	1
Deodorant	1
Depressant	1
Dermatitigenic	3
Detoxicant	1
Detoxicant (Alcohol)	1
Diagnostic	1
Diaphoretic?	3
Differentiator	1
Disinfectant	1
Diuretic	12
DNA-Active	1
DNA-Protective	1
Dye	1
Emetic	1
Emmenagogue	1
Encephalopathic	1
Energizer	1
Ergogenic	1
Erythrocytogenic	1
Essential	9
Estrogenic	4
Ethanolytic	1

Activity	Chemical Count
Expectorant	1
Fatal	1
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	2
FLavor	10
Fungicide	12
Fungistat	1
Gastroprotective	1
Glucosyl-Transferase-Inhibitor	1
Glutathionigenic	1
Gonadotrophic	1
Hematopoietic	1
Heme-Sparing	1
Hemolytic	1
Hemostat	2
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	10
Hepatotoxic	1
Hepatotropic	2
Herbicide	2
Histamine-Inhibitor	2
HIV-RT-Inhibitor	2
Hydrocholerectic	1

Activity	Chemical Count
Hypercholesterolemic	2
Hyperglycemic	2
Hypertensive	2
Hyperuricemic	1
Hypnotic	1
Hypoammonemic	2
Hypoarginanemic	2
Hypocholesterolemic	14
Hypoglycemic	10
Hypolipidemic	3
Hypotensive	11
Hypouricemic	1
ICAM-1-Inhibitor	1
Immunomodulator	10
Immunostimulant	10
Immunosuppressant	4
iNOS-Inhibitor	2
Inotropic	2
Insectifuge	9
Insectifuge?	1
Insulin-Sparing	1
Insulinase-Inhibitor	1
Insulinogenic	4
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	2
Iodothyronine-Deiodinase-Inhibitor	1

Activity	Chemical Count
Irritant	10
JNK-Inhibitor	1
Juvabional	3
Keratolytic	3
Larvostat	2
Laxative	5
Laxative?	1
Leptogenic	1
Leukotriene-Inhibitor	2
Lipotropic	2
Lipoxygenase-Inhibitor	6
Lithogenic	3
Litholytic	2
Lubricant	2
Lyase-Inhibitor	1
Lymphocytogenic	1
MAO-A-Inhibitor	1
MAO-Inhibitor	1
Mast-Cell-Stabilizer	1
Memorigenic	1
Memory-Enhancer	1
Metal-Chelator	3
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Monoamine-Precursor	3

Activity	Chemical Count
Mucogenic	3
Mucolytic	1
Mutagenic	3
Mycobactericide	1
Myocardiotoxic	1
Myorelaxant	1
NADH-Oxidase-Inhibitor	1
Natriuretic	2
Nematicide	3
Neoplastic	1
NEP-Inhibitor	1
Nephrotoxic	3
Neuroexcitant	1
Neuroinhibitor	2
Neuroprotective	4
Neurotoxic	2
Neurotransmitter	2
NF-kB-Inhibitor	3
NO-Genic	2
NO-Inhibitor	2
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	5
Osteogenic	1
Oviposition-Stimulant	1
Oxidant	2
P450-Inducer	1

Activity	Chemical Count
P450-Inhibitor	1
PAF-Inhibitor	1
Parasiticide	1
Percutaneostimulant	2
Perfumery	7
Pesticide	28
PGE2-Inhibitor	1
Phagocytotic	2
Pheromonal	1
Phospholipase-Inhibitor	1
Phytoalexin	3
Pigment	3
Pituitary-Stimulant	1
Plasmodicide	1
Podagragenic	1
Polyamine-Synthesis-Inhibitor	1
Preservative	2
Prolactinogenic	1
Proliferant	1
Prooxidant	3
Propecic	5
Prostaglandigenic	4
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	4
Protein-Kinase-C-Inhibitor	2
Protisticide	1
PTK-Inhibitor	1

Activity	Chemical Count
Quinone-Reductase-Inducer	2
Refrigerant	1
Renotoxic	1
Roborant	1
Scabicide	1
Schizophrenigenic	1
Scolicide	1
Secretagogue	1
Sedative	5
Sequestrant	1
Serotonergic	2
Soap	1
Spermicide	1
Spermigenic	2
Sunscreen	4
Suppository	1
Suppurative	1
Sweetener	3
Taenicide	1
Teratologic	2
Testosteronigenic	1
Thermogenic	1
Thymoprotective	1
Tineacide	1
TNF-alpha-Inhibitor	2
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	2

Activity	Chemical Count
Tranquilizer	3
Tremorigenic	1
Trichomonicide	2
Triglycerigenic	1
Tumor-Promoter	1
Tumorigenic	2
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	6
Ulcerogenic	2
Uricogenic	2
Uricosuric	4
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	1
Uterotrophic	1
Varroacide	1
Vasodilator	11
VEGF-Inhibitor	2
Vulnerary	6
Xanthine-Oxidase-Inhibitor	3