

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

Activity	Chemical Count
(+)-Inotropic	1
11B-HSD-Inhibitor	2
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	3
Abortifacient	3
Absorbent	1
ACE-Inhibitor	2
Acetylcholinergic	1
Acidifier	1
Acidulant	1
Additive	1
Adrenocorticotrophic	1
Adrenolytic	1
Aggregant	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	8
Allelochemic	3
Allergenic	6
Alpha-Amylase-Inhibitor	1
Amebicide	1
Amphiglycemic?	1
Analgesic	13
Androgenic?	1
Anesthetic	1
Angiotensin-Receptor-Blocker	3
Anorexic	1
Anthelmintic	1

Activity	Chemical Count
Antiacetylcholinesterase	1
Antiacne	6
Antiacrodermatitic	1
Antiacrodynic	1
Antiadenoviral	1
Antiadrenergic	1
Antiaflatoxin	2
AntiAGE	2
Antiaggregant	9
Antiaging	6
Antiakathisic	1
Antialcoholic	5
Antiallergic	6
Antialopepic	3
Antialzheimeran	8
Antialzheimeran?	1
Antiamblyopic	1
Antiamnesic	1
Antianaphylactic	1
Antianemic	2
Antianginal	3
Antiangiogenic	4
Antianorectic	2
Antianorexic	1
Antianxiety	2
Antiaphthic	1
Antiapoplectic	1

Activity	Chemical Count
Antiarabiflavivotic	1
Antiarrhythmic	8
Antiarteriosclerotic	1
Antiartritic	12
Antiasthmatic	6
Antiasthmatic?	1
Antiatherogenic	2
Antiatheromic	1
Antiatherosclerotic	12
Antibacillus	1
Antibackache	1
Antibacterial	23
Antiberiberi	1
Antibiotic	2
AntiBPH	1
Anticalculic	1
Anticancer	10
Anticancer (Breast)	2
Anticancer (Colon)	2
Anticancer (Foreestomach)	1
Anticancer (Liver)	1
Anticancer (Skin)	1
Anticanker	3
Anticapillary-Fragility	3
Anticarcinogenic	2
Anticarcinomic	4
Anticarcinomic (Breast)	1

Activity	Chemical Count
Anticardiospasmic	1
Anticariogenic	4
Anticarpal-Tunnel	1
Anticataract	9
Anticephalagic	2
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2
Antichilblain	1
Antichlamydial	1
Anticholecystitic	1
Anticholera	1
Anticholestatic	1
Anticholinesterase	1
Anticirrhotic	2
Anticlastogen	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticomplement	1
Anticomplementary	1
Anticonjunctivitic	1
Anticonvulsant	5
Anticorneotic	1
Anticoronary	4

Activity	Chemical Count
AntiCrohn's	3
AntiCTS	1
AntiCVI	1
Anticystitic	1
Antidandruff	4
Antidecubitic	3
Antideliriant	1
Antidementia	6
Antidepressant	7
Antidermatitic	4
Antidiabetic	14
Antidiarrheic	3
Antidiscotic	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Iodine)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paraquat)	1
Antidysenteric	3
Antidysgeuzic	1
Antidyskinetic	1
Antidysmenorrhic	1
Antidyspeptic	1
Antidysphagic	1
AntiEBV	2
Antieczemic	2

Activity	Chemical Count
Antiedemic	6
Antielastase	4
Antiencephalitic	2
Antiencephalopathic	2
Antiendometriotic	2
Antiendotoxic	1
Antienteritic	1
Antienterotic	1
Antienterotoxic	1
Antiepileptic	4
Antierythemic	1
Antiescherichic	4
Antiesherichic	1
Antiestrogenic	1
Antifatigue	5
Antifeedant	4
Antifertility	1
Antifibromyalgic	2
Antifibrosarcomic	2
Antifibrotic	3
Antiflu	4
Antifuruncular	1
Antigallstone	2
Antigastric	1
Antigastritic	3
Antigastrotic	1
Antigenotoxic	1

Activity	Chemical Count
Antigiardial	1
Antigingivitic	2
Antiglaucomic	4
Antiglossitic	1
Antiglycosuric	1
Antigonadotropic	3
Antigonorrhea	1
Antigout	1
AntiGTF	1
Antihangover	5
Antiheartburn	1
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatitic	1
Antihepatoadenomic	1
Antihepatomic	1
Antihepatotic	1
Antihepatotoxic	10
Antiherpetic	8
Antiherpetic?	1
Antihiccup	1
Antihistaminic	10
AntiHIV	7
Antihydrophobic	1
Antihyperactivity	1

Activity	Chemical Count
Antihypercholesterolemic	2
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipidemic	1
Antihypertensive	9
Antihyperthyroid	2
Antihypoglycemic	1
Antihypotensive	1
Antiichthyotic	1
Antiimplantation	1
Antiimpotence	1
Antiinfarctal	2
Antiinfective	1
Antiinfertility	3
Antiinflammatory	16
Antiinsomniac	3
Antiinsomnic	1
Antiischemic	4
Antikeratitic	1
Antikeshan	1
Antiketotic	2
AntiLegionella	2
Antileishmanic	4
Antileptic	2
Antileukemic	5
Antileukonychic	1
Antileukopenic	1

Activity	Chemical Count
Antileukoplakic	1
Antileukotriene	4
Antilipogenic	1
Antilipolytic	1
Antilipoperoxidant	2
Antilithic	3
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	2
Antimaculitic	6
Antimalarial	9
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	3
AntiMeniere's	1
Antimenopausal	4
Antimenorrhagic	1
Antimetastatic	6
Antimigraine	4
Antimitotic	1
Antimitral-valve-prolapse	1
AntiMS	1
Antimuscarinic	1
Antimutagenic	13

Activity	Chemical Count
Antimyalgic	2
Antimycotic	1
Antimyocarditic	2
Antinauseant	1
Antineoplastic	1
Antinephritic	4
Antinephrolytic	1
Antinesidioblastosic	1
Antineuralgic	2
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuromuscular	1
Antineuropathic	3
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	3
Antinitrosic	1
Antinociceptive	4
Antinyctalopic	2
Antiobesity	6
Antiobesity?	1
Antionychyotic	1
Antiophidic	2
Antiophthalmic	1
Antiorchitic	1
Antiosteoarthritic	2

Activity	Chemical Count
Antiosteoporotic	7
Antiototic	1
Antioxidant	24
Antioxidant Synergist	3
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	4
Antiparotitic	1
Antipellagic	2
Antiperiodontal	1
Antiperiodontic	1
Antiperiodontitic	3
Antiperistaltic	2
Antipermeability	1
Antiperoxidant	5
Antiperoxyinitrite	1
Antipharyngitic	2
Antiphotooxidative	2
Antiphotophobic	2
Antipityriasic	1
Antiplatelet	4
Antiplasmodial	6
Antiplatelet	1
AntiPMS	5
Antipneumonic	2
Antipodriac	2

Activity	Chemical Count
Antipolio	3
Antipoliomyelitic	2
Antiporphyric	1
Antiprolactin	1
Antiproliferant	6
Antiproliferative	1
Antiprostaglandin	1
Antiprostanoid	1
Antiprostatitic	2
Antiprotozoal	1
Antipsoriac	2
Antipurpuric	1
Antipyretic	5
Antiradicular	14
AntiRaynaud's	3
Antirenitic	1
Antirenitic Optometry	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatic	6
Antirhinitic	1
Antisalmonella	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	2
Antisecretory	1
Antiseptic	10

Activity	Chemical Count
Antiserotonin	1
Antishigellic	1
Antishingles	1
Antisilicotic	2
Antispare-Tire	1
Antispasmodic	11
Antispasmophilic	1
Antispermigenic	1
Antistaphylococcic	5
Antistomatitic	2
Antistrep	1
Antistreptococcic	1
Antistress	4
Antistroke	3
Antisunburn	3
Antisyndrome-X	6
Antisyphilitic	1
AntiTGF-beta	1
Antithiamin	2
Antithrombic	1
Antithrombogenic	1
Antithromboxane	1
Antithyroid	3
Antitic	1
Antitinnitic	1
Antitrachomic	1
Antitriglyceride	2

Activity	Chemical Count
Antitrypanosomic	4
Antitubercular	5
Antitumor	15
Antitumor (Bladder)	2
Antitumor (brain)	3
Antitumor (Breast)	6
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	6
Antitumor (Fore stomach)	1
Antitumor (Gastric)	1
Antitumor (Liver)	1
Antitumor (Lung)	5
Antitumor (Ovary)	2
Antitumor (Prostate)	4
Antitumor (Skin)	3
Antitumor (Stomach)	3
Antitumor-Promoter	9
Antitussive	2
Antiulcer	12
Antiulcerogenic	2
Antiuterotic	1
Antivaccinia	1
Antivaginitic	3
Antivaricose	2
Antivertigo	1
Antiviral	12

Activity	Chemical Count
Antiviral?	1
Antiwart	1
Antiwrinkle	1
Antixerophthalmic	1
Anxiolytic	6
AP-1-Inhibitor	1
Apoptotic	5
Aromatase-Inhibitor	2
Asthma-preventive	1
Astringent	2
Atherogenic	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	3
Beta-Glucuronidase-Inhibitor	2
Bilirubinolytic	1
Bradycardiac	1
Bruchiphobe	1
Calcium-Antagonist	8
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Inhibitor	1
cAMP-Phosphodiesterase-Inhibitor	3
Cancer-Preventive	19
Candidicide	4

Activity	Chemical Count
Capillarifortificant	1
Capillarigenic	2
Capillariprotective	2
Carcinogenic	4
Cardiodepressant	3
Cardiomyopathogenic	1
Cardioprotective	12
Cardiotonic	2
Cardiotoxic	1
Carminative	1
Catabolic	2
Chelator	1
Chemopreventive	5
Cholagogue	3
Cholekinetic	1
Choleretic	11
Circulotonic	2
Clastogenic	2
CNS-Active	2
CNS-Depressant	7
CNS-Stimulant	2
Co-carcinogenic	1
Coagulant	1
Cold-preventive	1
Collagen-Sparing	2
Collagenic	2
Collyrium	2

Activity	Chemical Count
Colorant	4
COMT-Inhibitor	1
Convulsant	1
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	1
COX-1-Inhibitor	1
COX-2-Inhibitor	6
Curare	1
Curaroid	1
Cyclooxygenase-Activator	1
Cyclooxygenase-Inhibitor	5
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	2
Cytotoxic	8
Deiodinase-Inhibitor	1
Demulcent	2
Deodorant	1
Depressant	1
Dermatitigenic	1
Detoxicant	1
Detoxicant (Alcohol)	1
Diaphoretic	1
Diaphoretic?	2
Differentiator	1
Digestive	1
Disinfectant	1

Activity	Chemical Count
Diuretic	12
DNA-Active	1
DNA-Protective	1
Elastase-Inhibitor	1
Emetic	2
Emollient	1
Encephalopathic	1
Energizer	1
Enterotonic	2
Ergogenic	1
Erythrocytogenic	1
Estrogenic	2
Estrogenic?	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	1
FLavor	2
Fungicide	10
Gastroprotective	1
Glaucomagenic	1
Glucosyl-Transferase-Inhibitor	2
Hemopoietic	1
Hemostat	6
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	11
Hepatotoxic	1

Activity	Chemical Count
Hepatotropic	1
Histamine-Inhibitor	2
HIV-RT-Inhibitor	2
Hypercholesterolemic	1
Hyperglycemic	1
Hypertensive	3
Hypocholesterolemic	9
Hypoglycemic	9
Hypolipidemic	1
Hypotensive	20
Hypouricemic	1
ICAM-1-Inhibitor	1
Immunomodulator	8
Immunostimulant	9
Immunosuppressant	2
iNOS-Inhibitor	2
Inotropic	3
Insecticide	1
Insectifuge	3
Insectiphile	2
Insulinogenic	4
Interferon-Synergist	1
Interferonogenic	2
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	3
JNK-Inhibitor	1
Juvabional	3

Activity	Chemical Count
Lachrymatory	1
Larvicide	1
Larvostat	3
Laxative	4
Laxative?	2
Leptingenic	1
Leucocytogenic	3
Leukotriene-Inhibitor	2
Lipase-Inhibitor	1
Lipoxygenase-Inhibitor	10
Lithogenic	1
Litholytic	2
Lyase-Inhibitor	1
MAO-A-Inhibitor	1
MAO-Inhibitor	2
Mast-Cell-Stabilizer	1
Membranomodulator	1
Memorigenic	1
Memory-Enhancer	1
Metal-Chelator	2
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
MMP-9-Inhibitor	2
Mucogenic	2
Mucolytic	1
Musculotropic	1
Mutagenic	4

Activity	Chemical Count
Mycobactericide	3
Mydriatic	1
Myocardiodepressant	1
Myoprotective	1
Myorelaxant	4
NADH-Oxidase-Inhibitor	1
Natriuretic	1
Neoplastic	1
NEP-Inhibitor	1
Neuroprotective	3
Neurotransmitter	1
NF-kB-Inhibitor	3
NO-Genic	1
NO-Inhibitor	2
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	6
Osteogenic	1
Oviposition-Stimulant	2
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	3
Paralytic	1
Peristaltic	1
Pesticide	29
PGE2-Inhibitor	1
Phagocytotic	1

Activity	Chemical Count
Phospholipase-Inhibitor	1
Phototoxic	1
Pigment	2
Piscicide	1
Plasmodicide	3
Polyamine-Synthesis-Inhibitor	1
Potassium-Sparing	1
Poultice	1
Preservative	1
Proliferant	1
Prooxidant	4
Prostaglandigenic	1
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	2
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	2
Protisticide	6
Psychotropic	1
PTK-Inhibitor	1
Quinone-Reductase-Inducer	5
Radioprotective	1
Refrigerant	1
Respiradepressant	2
Retinoprotectant Optometry	1
RNA-Depressant	1
RT-Inhibitor	1
Sedative	5

Activity	Chemical Count
Sequestrant	1
Serotoninerpic	1
Sialogogue	1
Sodium-Sparing	1
Spermigenic	1
Stomachic	1
Sunscreen	4
Sweetener	3
Taenicide	1
Teratologic	2
Testosteronigenic	1
Thymoprotective	1
Tissue-Thromboplastin-Inhibitor	1
TNF-alpha-Inhibitor	3
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	6
Toxic	1
Tranquilizer	2
Trichomonicide	2
Triglycerigenic	1
Trypanocide	2
Tumorigenic	2
Tyrosinase-Inhibitor	2
Tyrosine-Kinase-Inhibitor	1
Ubiquit	2
Uricogenic	1

Activity	Chemical Count
Uricosuric	1
Urinary-Acidulant	1
Uterocontractant	2
Uterorelaxant	1
Uterotonic	3
Uterotrophic	1
UV-Screen	1
Vagostimulant	1
Vasoconstrictor	2
Vasodilator	12
Vasopressor	2
VEGF-Inhibitor	2
Vermifuge	1
Vibriofuge	1
Vulnerary	5
Xanthine-Oxidase-Inhibitor	5