

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Vaccinium myrtillus***

Activity	Chemical Count
11B-HSD-Inhibitor	1
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
Abortifacient	1
Acaricide	5
Acarifuge	1
ACE-Inhibitor	11
Acetylcholinergic	1
AChE-Inhibitor	1
Acidulant	2
Additive	1
Adrenergic	1
Aggregant	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	17
Allelochemic	15
Allelopathic	6
Allergenic	22

Activity	Chemical Count
Alpha-Amylase-Inhibitor	1
Alpha-Glucosidase-Inhibitor	1
Amphiglycemic?	1
Anabolic	1
Analgesic	18
Androgenic	2
Androgenic?	1
Anesthetic	8
Angiogenic	1
Angiotensin-Receptor-Blocker	2
Anorexic	3
Anthelmintic	3
Antiacetylcholinesterase	2
Antiacne	9
Antiacrodermatitic	1
Antiacrodynic	1
Antiadenomic	2
Antiadenoviral	1
Antiadenovirus	1
Antiaflatoxin	1

Activity	Chemical Count
AntiAGE	2
Antiaggregant	14
Antiaging	6
Antiakathisic	1
Antialcoholic	6
Antiallergenic	1
Antiallergic	9
Antialopepic	2
Antialzheimeran	6
Antialzheimeran?	1
Antiamblyopic	1
Antiamebic	1
Antianaphylactic	6
Antiandrogenic	1
Antianemic	4
Antianginal	2
Antiangiogenic	4
Antianorectic	2
Antianorexic	1
Antianxiety	2

Activity	Chemical Count
Antiaphthic	1
Antiapoplectic	1
Antiapoptotic	1
Antiarabiflavinotic	1
Antiarachidonate	1
Antiarrhythmic	8
Antiarteriosclerotic	1
Antiarthritic	14
Antiasthmatic	10
Antiatherogenic	3
Antiatheromic	1
Antiatherosclerotic	12
Antibackache	1
Antibacterial	48
Antiberiberi	1
Antibiotic	2
AntiBPH	1
Antibronchitic	1
Anticalculic	1
Anticancer	14

Activity	Chemical Count
Anticancer (Breast)	3
Anticancer (Cervix)	1
Anticancer (Colon)	3
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	2
Anticancer (Liver)	2
Anticancer (Lung)	1
Anticancer (Pancreas)	1
Anticancer (Skin)	2
Anticanker	3
Anticapillary-Fragility	2
Anticapillary-Fragility?	1
Anticarcinogenic	5
Anticarcinomic	4
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticarries	1
Anticariogenic	9
Anticarpal-Tunnel	1
Anticataract	9

Activity	Chemical Count
Anticephalagic	2
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2
Antichilblain	1
Anticholestatic	1
Anticirrhotic	2
Anticlastogen	4
Anticlimacteric	4
Anticoagulant	2
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	3
Anticollegenase	1
Anticomplement	2
Anticomplementary	4
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	5
Antidepressant	7
Antidermatitic	6
Antidermatotic	1
Antidiabetic	17
Antidiabetic?	1
Antidiarrheic	2
Antidiscotic	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paraquat)	1

Activity	Chemical Count
Antidrepanocytic	1
Antidysenteric	1
Antidysgeuzic	1
Antidyskinetic	1
Antidysmenorrhic	2
Antidyspeptic	1
Antidysphagic	1
AntiEBV	4
Antieczemic	3
Antiedemic	16
Antielastase	5
Antiencephalitic	2
Antiencephalopathic	2
Antiendometriotic	2
Antiendotoxic	1
Antienteritic	1
Antienterococcic	1
Antienterotic	1
Antiepileptic	4
Antierythemic	2

Activity	Chemical Count
Antiescherichic	6
Antiesophagitic	1
Antiestrogenic	4
Antiexudative	1
Antifatigue	7
Antifeedant	14
Antifertility	4
Antifibrinolytic	1
Antifibromyalgic	2
Antifibrosarcomic	2
Antifibrotic	3
Antiflu	7
Antifuruncular	1
Antigallstone	2
Antigastric	1
Antigastritic	4
Antigastrotic	2
Antigenotoxic	2
Antigiardial	1
Antigingivitic	2

Activity	Chemical Count
Antiglaucomic	3
Antiglossitic	1
Antiglutamaergic	1
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	3
Antigout	1
Antigrey	1
AntiGTF	1
Antihangover	5
Antiheartburn	1
Antihelicobacter	1
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	3
Antihemorrhoidal	2
Antihepatitic	4
Antihepatoadenomic	1
Antihepatomic	1
Antihepatotoxic	17

Activity	Chemical Count
Antiherpetic	13
Antiherpetic?	1
Antihiccup	1
Antihistaminic	11
AntiHIV	13
Antihydrocoele	1
Antihydrophobic	1
Antihyperactivity	1
Antihypercholesterolemic	2
Antihyperglycemic	4
Antihyperinsulinemic	2
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperleptinemic	2
Antihyperlipidemic	3
Antihyperlipoproteinaemic	1
Antihypertensive	7
Antihyperthyroid	2
Antihypoglycemic	1
Antiichthyosic	1

Activity	Chemical Count
Antiichthyotic	1
Antiimpotence	1
Antiincontinence	1
Antiinfective	1
Antiinfertility	2
Antiinflammatory	37
Antiinflammatory?	1
Antiinsomniac	3
Antiinsomnic	1
Antiischemic	3
Antikeratitic	1
Antikeratotic	1
Antikeshan	1
Antiketotic	2
Antiklebsiilic	1
Antilactobacillic	1
AntiLegionella	3
Antileishmanic	5
Antileptic	2
Antileukemic	16

Activity	Chemical Count
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	6
Antilipolytic	1
Antilipoperoxidant	5
Antilisteria	1
Antilithic	5
Antilupus	1
AntiLyme	5
Antilymphomic	5
Antimaculitic	5
Antimalarial	5
Antimange	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	4
Antimelanomic	5
Antimelasmic	1
AntiMeniere's	1

Activity	Chemical Count
Antimenopausal	4
Antimenorrhagic	2
Antimetastatic	6
Antimetastatic (Stomach)	1
Antimigraine	4
Antimite	1
Antimitotic	3
Antimitral-valve-prolapse	1
AntiMRSA	1
AntiMS	2
Antimutagenic	33
Antimyalgic	1
Antimyocarditic	2
Antimyopic	1
Antinauseant	1
Antineoplastic	2
Antinephritic	5
Antinephrolytic	1
Antineuralgic	3
Antineuramidase	1

Activity	Chemical Count
Antineurasthenic	1
Antineuritic	1
Antineuropathic	2
Antineuropathic?	1
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	6
Antinitrosating	1
Antinitrosic	1
Antinociceptive	6
Antinyctalopic	3
Antiobesity	9
Antiobesity?	1
Antiodontalgic	1
Antioncychomycotic	1
Antionychogryphotic	1
Antionychyotic	2
Antiophidic	4
Antiophthalmic	1
Antiorchitic	1

Activity	Chemical Count
Antiosteoarthritic	4
Antiosteoporotic	9
Antiosteotic	1
Antiotitic	3
Antiototic	1
Antioxidant	51
Antioxidant Synergist	2
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	3
Antiparotitic	1
Antipellagic	2
Antipeptic	1
Antiperiodic	1
Antiperiodontal	3
Antiperiodontic	1
Antiperiodontitic	4
Antiperistaltic	1
Antipermeability	1

Activity	Chemical Count
Antiperoxidant	14
Antiperoxynitrite	1
Antipertussive	1
AntiPGE2	1
Antipharyngitic	1
Antiphotophobic	2
Antipityriasic	1
Antiplatelet	6
Antiplasmodial	3
Antipneumonic	2
Antipodagric	1
Antipodriac	2
Antipolio	4
Antipoliomyelitic	2
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	9

Activity	Chemical Count
Antiproliferative	1
Antiprostaglandin	5
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	4
Antiproteolytic	1
Antiprotozoal	1
Antipruritic	1
Antipseudomonic	1
Antipsoriac	3
Antipurpuric	2
Antipyretic	6
Antipyruvetic	1
Antiradicular	25
AntiRaynaud's	3
Antirenitic	1
Antiretinitic Optometry	1
Antiretinopathic	1
Antiretinotic	1
Antirheumatic	7

Activity	Chemical Count
Antirhinitic	1
Antisalmonella	5
Antisarcotic	1
Antisclerodermic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	4
Antiseptic	29
Antiserotonin	1
Antishingles	1
Antishock	1
Antisickling	4
Antisilicotic	1
Antisinusitic	1
Antispare-Tire	1
Antispasmodic	19
Antispasmophilic	1
Antispastic	1
Antistaphylococcic	8
Antistomatitic	2

Activity	Chemical Count
Antistreptococcic	5
Antistress	4
Antistroke	2
Antisunburn	3
Antisyndrome-X	6
AntiTGF-beta	2
Antithiamin	2
Antithrombic	2
Antithrombogenic	2
Antithromboxane	2
Antithyreotropic	1
Antithyroid	3
Antitic	1
Antitinnitic	1
AntiTNF	2
Antitriglyceride	2
Antitrypanosomic	4
Antitubercular	3
Antitumor	27
Antitumor (Bladder)	1

Activity	Chemical Count
Antitumor (brain)	2
Antitumor (Breast)	10
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	11
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	2
Antitumor (Gastric)	1
Antitumor (Kidney)	1
Antitumor (Liver)	2
Antitumor (Lung)	8
Antitumor (Mouth)	1
Antitumor (Ovary)	2
Antitumor (Pancreas)	3
Antitumor (Prostate)	4
Antitumor (Skin)	5
Antitumor (Stomach)	3
Antitumor-Promoter	11
Antitussive	4
Antitympanic	1

Activity	Chemical Count
Antiulcer	18
Antiulcerogenic	3
Antiurease	1
Antivaccinia	1
Antivaginitic	2
Antivaricose	3
Antivertigo	1
Antiviral	27
Antiviral?	1
Antiwrinkle	2
Antixerophthalmic	1
Antiyeast	2
Anxiolytic	6
AP-1-Inhibitor	1
Apifuge	1
Apoptotic	8
Aromatase-Inhibitor	2
Artemicide	2
Arteriodilator	1
Ascaricide	2

Activity	Chemical Count
Asthma-preventive	1
Astringent	4
Atherogenic	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	5
Barbituate-Synergist	1
Beta-Adrenergic Receptor Blocker	8
Beta-Blocker	3
Beta-Glucuronidase-Inhibitor	3
Bradycardiac	1
Bronchodilator	1
Bronchoprotectant	1
Bronchorelaxant	1
Bruchiphobe	2
Calcium-Antagonist	5
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Inhibitor	1
cAMP-Phosphodiesterase-Inhibitor	3

Activity	Chemical Count
Cancer-Preventive	44
Candidicide	14
Candidistat	3
Capillarifortificant	1
Capillarigenic	2
Capillariprotective	2
Capillaritonic	1
Carcinogenic	8
Carcinogenic?	1
Cardiac	1
Cardiomyopathogenic	1
Cardioprotective	12
Cardiotonic	6
Cardiotoxic	1
Carminative	2
Caspase-8-Inducer	1
Catabolic	2
Cathartic	2
Chelator	1
Chemopreventive	9

Activity	Chemical Count
Cholagogue	3
Choleretic	14
Cholesterolytic	2
Choline-Sparing	2
Chronotropic	1
Cicatrizant	1
Circulatory-Stimulant	1
Circulotonic	1
Clastogenic	2
CNS-Active	2
CNS-Depressant	7
CNS-Paralytic	1
CNS-Stimulant	3
Co-carcinogenic	2
Cold-preventive	1
Collagen-Sparing	2
Collagenic	2
Collyrium	1
Colorant	3
Comedogenic	1

Activity	Chemical Count
Comedolytic	1
COMP-Inhibitor	3
COMT-Inhibitor	1
Contraceptive	1
Convulsant	1
Copper-Antagonist	1
Copper-Chelator	1
COX-1-Inhibitor	6
COX-2-Inhibitor	11
Culicide	1
Cyclooxygenase-Activator	3
Cyclooxygenase-Inhibitor	9
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inhibitor	1
Cytoprotective	2
Cytotoxic	12
Deiodinase-Inhibitor	1
Deliriant	1
Demulcent	2
Deodorant	1

Activity	Chemical Count
Depigmentor	1
Depressant	1
Dermatitigenic	4
Detoxicant	3
Detoxicant (Alcohol)	1
Diaphoretic	1
Diaphoretic?	2
Differentiator	1
Disinfectant	1
Diuretic	13
DNA-Active	1
DNA-Protective	1
Dye	2
Elastase-Inhibitor	2
Embryotoxic	1
Emetic	3
Encephalopathic	1
Energizer	1
Enterocontractant	1
Enterorelaxant	1

Activity	Chemical Count
Ergogenic	1
Erythrocytogenic	1
Estrogenic	4
Estrogenic?	1
Expectorant	6
Fatal	1
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	1
FLavor	21
Floral-Inhibitor	1
Fungicide	26
Fungiphilic	1
Fungistat	3
GABA-nergic	1
Gastroprotective	3
Glucosyl-Transferase-Inhibitor	2
Glutathione-Depleting	1
Goitrogenic	1

Activity	Chemical Count
Gonadotrophic	1
Gram(+)icide	1
Gram(-)icide	1
GST-Inducer	1
Hemolytic	1
Hemopoietic	1
Hemostat	9
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	17
Hepatotonic	1
Hepatotoxic	2
Hepatotropic	3
Herbicide	9
Histamine-Inhibitor	2
Histaminic	2
HIV-RT-Inhibitor	1
Hyaluronidase-Inhibitor	1
Hydrocholerectic	1

Activity	Chemical Count
Hypercholesterolemic	1
Hyperglycemic	1
Hypertensive	3
Hypnotic	1
Hypocholesterolemic	12
Hypoglycemic	15
Hypolipemic	1
Hypolipidemic	3
Hypotensive	16
Hypothermic	3
Immunomodulator	12
Immunostimulant	15
Immunosuppressant	6
iNOS-Inhibitor	1
Inotropic	2
Insecticide	7
Insectifuge	12
Insectifuge?	1
Insectiphile	4
Insulin-Sparing	2

Activity	Chemical Count
Insulinogenic	7
Interferon-Synergist	1
Interferonogenic	2
Interleukin-1-alpha-Inhibitor	1
Interleukin-6-Inhibitor	2
Interleukin-6-mRNA-Inhibitor	1
Irritant	12
Juvabional	4
Keratitogenic	1
Keratolytic	2
Larvicide	4
Larvostat	6
Laxative	8
Laxative?	2
Leptingenic	1
Leucocytogenic	2
Leukotriene-Inhibitor	2
Lipolytic	3
Lipotropic	1
Lipoxygenase-1-Inhibitor	1

Activity	Chemical Count
Lipoxygenase-Inhibitor	14
Lithogenic	2
Litholytic	2
Lyase-Inhibitor	1
MAO-A-Inhibitor	2
MAO-Inhibitor	2
Mast-Cell-Stabilizer	1
Memorigenic	1
Memory-Enhancer	1
Metal-Chelator	3
Metal-Chelator (Copper)	3
Metalloproteinase-Inhibitor	1
MMP-9-Inhibitor	2
Monoaminergic	1
Mosquitocide	2
Mosquitofuge	2
Motor-Depressant	5
Motor-Stimulant	1
Mucogenic	2
Mucolytic	2

Activity	Chemical Count
Mutagenic	3
Mycobactericide	3
Mycoplastistat	2
Myoprotective	1
Myorelaxant	4
NADH-Oxidase-Inhibitor	1
Narcotic	1
Nematicide	8
Neoplastic	1
NEP-Inhibitor	1
Nephrotoxic	4
Neuroprotective	4
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inhibitor	4
NO-Genic	2
NO-Inhibitor	5
NO-Scavenger	1
NO-Synthase-Inhibitor	1
Odontolytic	1

Activity	Chemical Count
Ornithine-Decarboxylase-Inhibitor	8
Osteogenic	1
Osteolytic	1
Oviposition-Stimulant	2
Ozone-Scavenger	1
P450-Inducer	2
P450-Inhibitor	1
PAF-Inhibitor	1
Pancreatogenic	2
Paralytic	1
Paramecicide	1
Parasiticide	2
Perfume	1
Perfumery	12
Peristaltic	2
Peroxynitrite-Scavenger	2
Pesticide	70
PGE2-Inhibitor	1
Phagocytotic	5
Phospholipase-Inhibitor	1

Activity	Chemical Count
Photosensitizer	1
Phytoalexin	2
Pigment	7
Piscicide	2
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Potassium-Sparing	1
Preservative	2
Proliferant	1
Prooxidant	8
Propepic	2
Prostaglandigenic	5
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	5
Prosticide	1
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	2
Protisticide	4
Psychotropic	1
PTK-Inhibitor	1

Activity	Chemical Count
Quinone-Reductase-Inducer	4
Radioprotective	1
Refrigerant	1
Renotoxic	1
Retinoprotectant Optometry	1
Reverse-Transcriptase-Inhibitor	1
Rodenticide	2
Scabicide	1
Schizophrenigenic	1
Secretagogue	3
Sedative	15
Serotoninerpic	1
Sialogogue	1
Sodium-Sparing	1
Spermicide	2
Spermigenic	1
Sprout-Inhibitor	1
Stomachic	1
Styptic	1
Sunscreen	5

Activity	Chemical Count
Sweetener	5
Taenicide	1
Teratogenic	1
Teratologic	1
Termiticide	4
Termitifuge	2
Testosteronigenic	1
Thermogenic	1
Thymoprotective	1
Tineacide	1
Tinnitigenic	1
Tissue-Thromboplastin-Inhibitor	2
TNF-alpha-Inhibitor	3
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	3
Toxic	1
Tranquilizer	3
Transdermal	2
Trichomonicide	6

Activity	Chemical Count
Trichomonistat	2
Triglycerigenic	1
Trypanocide	1
Trypsin-Enhancer	1
Tumor-Promoter	1
Tumorigenic	2
Tyrosinase-Inhibitor	8
Tyrosine-Kinase-Inhibitor	2
Ubiquiot	8
Ulcerogenic	4
Uricogenic	1
Uricosuric	2
Urinary-Acidulant	1
Urinary-Antiseptic	1
Uterorelaxant	1
Uterosedative	1
Uterotonic	1
Varroacide	2
Vasoactive	1
Vasoconstrictor	1

Activity	Chemical Count
Vasodilator	12
Vasopressor	4
Vasoprotective	1
VEGF-Inhibitor	2
Vermifuge	2
Verrucolytic	1
Vibriocide	1
Vulnerary	8
Xanthine-Oxidase-Inhibitor	12