

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in Vaccinium macrocarpon

Activity	Chemical Count
11B-HSD-Inhibitor	1
5-HETE-Inhibitor	1
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
Abortifacient	1
Acaricide	3
Acarifuge	1
ACE-Inhibitor	3
Acidulant	1
Akt-Inhibitor	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	7
Allelochemic	5
Allelopathic	3
Allergenic	10
Alpha-Amylase-Inhibitor	1
Amphiglycemic?	1
Analgesic	10
Androgenic	1
Androgenic?	1
Anesthetic	4
Angiotensin-Receptor-Blocker	3
Anorexic	1
Antiacne	6
Antiacrodermatitic	1
Antiacrodynic	1
Antiadrenalinic	1

Activity	Chemical Count
Anti aflatoxin	1
Anti AGE	2
Antiaggregant	7
Antiaging	5
Antiakathisic	1
Antialcoholic	4
Antiallergenic	1
Antiallergic	7
Antialopepic	1
Antialzheimeran	7
Antiamblyopic	1
Antianaphylactic	1
Antianemic	4
Antianginal	3
Antiangiogenic	4
Antianorectic	2
Antianorexic	1
Antianxiety	2
Antiaphthic	1
Antiapoptotic	1
Antiarabiflavinoctic	1
Antiarachidonate	1
Antiarrhythmic	7
Antiarteriosclerotic	1
Antiarthritic	14
Antiasthmatic	7
Antiatheromic	1

Activity	Chemical Count
Antiatherosclerotic	12
Antibackache	1
Antibacterial	19
Antiberiberi	1
AntiBPH	1
Anticalculic	1
Anticancer	9
Anticancer (Breast)	1
Anticancer (Colon)	3
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	2
Anticancer (Liver)	3
Anticancer (Lung)	1
Anticancer (Skin)	3
Anticanker	3
Anticapillary-Fragility	1
Anticarcinogenic	4
Anticarcinomic	3
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	4
Anticarpal-Tunnel	1
Anticataract	9
Anticephalagic	3
Anticervicaldysplasic	4
AntiCFS	3
Anticheilitic	3

Activity	Chemical Count
Antichilblain	1
Anticholestatic	1
Anticirrhotic	1
Anticirrhotic?	1
Anticlastogen	1
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticollegenase	1
Anticomplement	2
Anticomplementary	1
Anticonvulsant	4
Anticorneotic	1
Anticoronary	4
AntiCrohn's	3
AntiCTS	1
Anticystitic	1
Antidandruff	3
Antidecubitic	3
Antideliriant	1
Antidementia	5
Antidepressant	7
Antidermatitic	4
Antidiabetic	14

Activity	Chemical Count
Antidiarrheic	1
Antidiscotic	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Camphor)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Morphine)	1
Antidote (Paraquat)	1
Antidysgeuzic	1
Antidyskinetic	1
Antidysmenorrhic	3
Antidyspeptic	1
Antidysphagic	1
AntiEBV	2
Antieczemic	2
Antiedemic	6
Antieicosanoid	1
Antielastase	3
Antiencephalitic	2
Antiencephalopathic	2
Antiendometriotic	2
Antienteritic	1
Antienterotic	1
Antiepileptic	4
Antiescherichic	2
Antiestrogenic	3

Activity	Chemical Count
Antifatigue	7
Antifeedant	5
Antifertility	2
Antifibromyalgic	2
Antifibrosarcomic	2
Antifibrotic	3
Antiflu	3
Antifuruncular	1
Antigallstone	2
Antigastric	2
Antigastritic	3
Antigastrotic	1
Antigenotoxic	2
Antigingivitic	4
Antiglaucomic	2
Antiglossitic	2
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	2
Antigout	1
Antigrey	1
AntiGTF	1
Antihangover	4
Antiheartburn	1
Antihemolytic	1
Antihemorrhagic	3
Antihepatitic	1

Activity	Chemical Count
Antihepatotoxic	10
Antiherpetic	7
Antiherpetic?	1
Antihistaminic	6
AntiHIV	7
Antihydrophobic	1
Antihyperactivity	1
Antihypercholesterolemic	2
Antihyperglycemic	1
Antihyperinsulinemic	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperleptinemic	1
Antihyperlipidemic	2
Antihypertensive	6
Antihyperthyroid	1
Antihypoglycemic	1
Antiichthyotic	1
Antiintelus?	1
Antiimpotence	1
Antiinfarctal	1
Antiinfective	1
Antiinfertility	3
Antiinflammatory	15
Antiinsomniac	3
Antiinsomniac?	1
Antiinsomnic	1

Activity	Chemical Count
Antiischemic	3
Antikeratitic	1
Antikeratotic	1
Antikeshan	1
AntiLegionella	1
Antileishmanic	3
Antileptic	2
Antileukemic	7
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	5
Antilipoperoxidant	3
Antilithic	3
Antilupus	1
AntiLyme	5
Antilymphomic	2
Antimaculitic	6
Antimalarial	3
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	1
Antimelanomic	2
AntiMeniere's	1
Antimenopausal	4
Antimenorrhagic	1
Antimetastatic	5

Activity	Chemical Count
Antimigraine	4
Antimitotic	2
Antimitral-valve-prolapse	1
AntiMS	1
Antimutagenic	16
Antimyalgic	1
Antimyelotoxic	1
Antimyocarditic	2
Antimyopic	1
Antineoplastic	1
Antinephritic	2
Antinephrolytic	1
Antineuralgic	2
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	4
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	4
Antinitrosating	1
Antinitrosic	1
Antinociceptive	3
Antinyctalopic	3
Antiobesity	7
Antiobesity?	1
Antiodontalgic	1

Activity	Chemical Count
Antionychyotic	1
Antiorchitic	1
Antiosteoarthritic	4
Antiosteoporotic	9
Antiotitic	1
Antiototic	1
Antioxidant	20
Antioxidant Synergist	2
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	4
Antiparotitic	1
Antipellagic	2
Antipeptic	1
Antiperiodontal	1
Antiperiodontic	2
Antiperiodontitic	4
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	6
AntiPGE2	1
Antipharyngitic	1
Antiphotophobic	2
Antipityriasic	1
Antiplateau	6
Antiplasmodial	3

Activity	Chemical Count
AntiPMS	5
Antipneumonic	1
Antipodriac	2
Antipolio	2
Antipoliomyelitic	2
Antiporphyric	1
Antiprolactin	1
Antiproliferant	8
Antiproliferative	1
Antiprostaglandin	2
Antiprostanoid	1
Antiprostatic	2
Antipruritic	1
Antipsoriac	2
Antipsychotic	1
Antipurpuric	1
Antipyretic	3
Antiradicular	11
AntiRaynaud's	3
Antiretinitic Optometry	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatic	6
Antirheumatitic?	1
Antirhinitic	1
Antisalmonella	2
Antisarcomic	1

Activity	Chemical Count
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	3
Antiseptic	16
Antiserotonin	1
Antishingles	1
Antisilicotic	1
Antispare-Tire	1
Antispasmodic	11
Antispasmophilic	1
AntiSpina-Bifida	1
Antistaphylococcic	3
Antistomatitic	1
Antistreptococcic	1
Antistress	4
Antistroke	3
Antisunburn	1
Antisyndrome-X	6
AntiTGF-beta	2
Antithiamin	1
Antithrombic	3
Antithrombogenic	1
Antithromboxane	2
Antithyroid	1
Antitic	1
Antitinnitic	1
AntiTNF	1

Activity	Chemical Count
Antitriglyceride	2
Antitrypanosomic	2
Antitubercular	2
Antitumor	18
Antitumor (Bladder)	2
Antitumor (brain)	2
Antitumor (Breast)	6
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	8
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	2
Antitumor (Gastric)	1
Antitumor (Kidney)	1
Antitumor (Liver)	2
Antitumor (Lung)	6
Antitumor (Mammary)	1
Antitumor (Ovary)	2
Antitumor (Pancreas)	1
Antitumor (Prostate)	5
Antitumor (Skin)	4
Antitumor (Stomach)	3
Antitumor-Promoter	5
Antitussive	2
Antiulcer	11
Antiulcerogenic	1
Antivaginitic	1

Activity	Chemical Count
Antivaricose	1
Antivertigo	1
Antiviral	11
Antiviral?	1
Antiwrinkle	1
Antixerophthalmic	1
Antiyeast	1
Anxiolytic	5
AP-1-Inhibitor	1
Apifuge	1
Apoptotic	5
Aromatase-Inhibitor	2
Artemicide	2
Arteriodilator	1
Asthma-preventive	1
Astringent	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	4
Beta-Glucuronidase-Inhibitor	4
Bradycardiac	1
Bruchiphobe	1
Calcium-Antagonist	4
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1

Activity	Chemical Count
cAMP-Inhibitor	1
cAMP-Phosphodiesterase-Inhibitor	1
Cancer-Preventive	19
Candidicide	7
Capillarifortificant	1
Capillarigenic	1
Capillariprotective	1
Carcinogenic	2
Carcinogenic?	1
Cardiac	1
Cardiomyopathogenic	1
Cardioprotective	14
Cardiotonic	3
Cardiotoxic	1
Carminative	1
Casein-Kinase-II-Inhibitor	1
Catabolic	1
Chemopreventive	6
Cholagogue	2
Choleretic	8
Cicatrizant	1
Circulotonic	2
Clastogenic	1
CNS-Active	1
CNS-Depressant	5
CNS-Paralytic	1
CNS-Stimulant	2

Activity	Chemical Count
Cold-preventive	1
Collagen-Sparing	1
Collagenic	2
Colorant	3
Comedogenic	1
COMP-Inhibitor	1
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1
Copper-Chelator	1
COX-1-Inhibitor	4
COX-2-Inhibitor	7
Cyclooxygenase-Activator	2
Cyclooxygenase-Inhibitor	4
CYP1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inhibitor	1
Cytotoxic	4
Deiodinase-Inhibitor	1
Demulcent	1
Deodorant	1
Depressant	1
Dermatitogenic	1
Detoxicant	3
Detoxicant (Alcohol)	1
Diaphoretic?	2
Differentiator	2

Activity	Chemical Count
Disinfectant	1
Diuretic	11
Dye	1
Elastase-Inhibitor	3
Encephalopathic	1
Energizer	1
Enterorelaxant	1
Ergogenic	1
Erythrocytogenic	1
Estrogenic	3
Expectorant	1
Fatal	1
Fibrinolytic	1
Fistula-Preventive	1
FLavor	7
Fungicide	12
Gastroprotective	1
Glucosyl-Transferase-Inhibitor	1
Goitrogenic	1
Hematopoietic	1
Hemopoietic	1
Hemostat	5
Hemostatic	1
Hepatomagenic	1
Hepatoprotective	9
Hepatotonic	1
Hepatotoxic	1

Activity	Chemical Count
Hepatotropic	1
Herbicide	2
HIF-1alpha-Inhibitor	1
Histamine-Inhibitor	1
HIV-RT-Inhibitor	1
Hydrocholerectic	1
Hydroperoxidase-Inhibitor	1
Hypertensive	2
Hypocholesterolemic	9
Hypoglycemic	10
Hypolipemic	1
Hypolipidemic	2
Hypotensive	13
Hypotriglyceridemic	1
Hypouricemic	1
IKB-kinase-Inhibitor	1
Immunomodulator	9
Immunostimulant	8
Immunosuppressant	1
iNOS-Inhibitor	1
Inotropic	1
Insecticide	4
Insectifuge	7
Insectiphile	1
Insulin-Sparing	1
Insulinogenic	4
Interferon-Synergist	1

Activity	Chemical Count
Interferonogenic	2
Interleukin-6-Inhibitor	1
Irritant	4
JNK-Inhibitor	1
Juvabional	3
Keratolytic	1
Larvicide	1
Larvostat	3
Laxative	4
Laxative?	2
Leptingenic	1
Leucocytogenic	2
Leukotriene-Inhibitor	1
Lipolytic	1
Lipoxygenase-Inhibitor	5
Lithogenic	2
Litholytic	2
MAO-A-Inhibitor	2
MAO-Inhibitor	1
MAPK-Inhibitor	1
Mast-Cell-Stabilizer	1
Memorigenic	1
Metal-Chelator	2
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
MMP-9-Inhibitor	2
Mosquitofuge	1

Activity	Chemical Count
Motor-Depressant	3
Mucogenic	2
Mucolytic	1
Mutagenic	2
Mycobactericide	2
Myorelaxant	2
NADH-Oxidase-Inhibitor	1
NADH-Ubiquinone-Oxidoreductase-Inhibitor	1
Narcotic	1
Nematicide	3
NEP-Inhibitor	1
Nephrotoxic	2
Neuroprotective	2
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inhibitor	5
NO-Genic	1
NO-Inhibitor	1
NO-Scavenger	1
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	6
Osteogenic	1
Oviposition-Stimulant	1
Oxidase-Inhibitor	1
P450-Inducer	1
P450-Inhibitor	1

Activity	Chemical Count
Paralytic	1
Parasiticide	1
Pediculicide	1
Perfumery	2
Peristaltic	1
Pesticide	30
PGE2-Inhibitor	1
Phagocytotic	3
Phospholipase-Inhibitor	1
Phytoalexin	2
Piscicide	2
PKC-Inhibitor	1
PKD-Inhibitor	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Potassium-Sparing	1
Preservative	1
Previtamin-A	1
Proliferant	1
Prooxidant	3
Prostaglandigenic	2
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	5
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	2
Protisticide	2
PTK-Inhibitor	2

Activity	Chemical Count
Quinone-Reductase-Inducer	5
Refrigerant	1
Renotoxic	1
Retinoprotectant Optometry	1
Scabicide	2
Schizophrenigenic	1
Sedative	6
Serotoninerpic	1
Sialogogue	1
Sodium-Sparing	1
Spermigenic	1
Sunscreen	2
Sweetener	1
Teratologic	1
Termiticide	3
Testosteronigenic	1
Thymoprotective	1
Tissue-Thromboplastin-Inhibitor	1
TNF-alpha-Inhibitor	1
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	3
Toxic	1
Tranquilizer	2
Transdermal	1
Trichomonicide	2
Trichomonistat	1

Activity	Chemical Count
Trypanocide	1
Trypsin-Enhancer	1
Tumorigenic	1
Tyrosinase-Inhibitor	5
Tyrosine-Kinase-Inhibitor	3
Ubiquit	2
Ulcerogenic	1
Uricosuric	3
Urinary-Acidulant	1
Uterorelaxant	1
Uterosedative	1
Uterotonic	1
Varroacide	2
Vasoactive	1
Vasodilator	10
Vasopressor	3
Vasoprotective	1
VEGF-Inhibitor	3
Vermifuge	1
Vulnerary	5
Xanthine-Oxidase-Inhibitor	3