

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium myrtillus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
176	QUERCETIN	Leaf				--
112	ASCORBIC-ACID	Fruit	132.0	1650.0	-0.18189696747022557	--
102	CAFFEIC-ACID	Fruit				--
102	CAFFEIC-ACID	Leaf		40.0	-0.7103779880667277	--
102	CAFFEIC-ACID	Fruit Juice				--
89	URSOLIC-ACID	Fruit		2500.0	-0.2673024778	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
89	URSOLIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
87	RUTIN	Leaf				--
77	CHLOROGENIC-ACID	Fruit Juice				--
77	CHLOROGENIC-ACID	Leaf		2800.0	1.0924264319161126	--
77	CHLOROGENIC-ACID	Fruit		1900.0	0.5534391651296359	--
77	ZINC	Fruit	1.0	8.7	-0.6499015135402889	--
76	EUGENOL	Fruit Juice		0.01		--
65	MAGNESIUM	Fruit	312.0	3900.0	0.8197346940018424	--
64	OLEANOLIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
62	GALLIC-ACID	Fruit Juice				--
62	GALLIC-ACID	Leaf				--
61	FERULIC-ACID	Fruit Juice				--
61	FERULIC-ACID	Leaf				--
61	FERULIC-ACID	Fruit				--
60	SELENIUM	Fruit	0.2	2.8	0.30814666605054625	--
60	CINNAMALDEHYDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	CINNAMALDEHYDE	Leaf				--
60	LIMONENE	Fruit Juice				--
53	BETA-CAROTENE	Fruit	4.0	47.0	-0.059950475940205736	--
53	LINALOOL	Fruit Juice		0.004	-0.9999999999999998	--
47	BETA-SITOSTEROL	Fruit				--
47	BETA-SITOSTEROL	Tissue Culture				--
44	QUERCITRIN	Leaf				--
44	QUERCITRIN	Fruit				--
44	QUERCITRIN	Fruit Juice				--
43	CATECHIN	Leaf				--
43	PROTOCATECHUIC-ACID	Leaf				--
43	PROTOCATECHUIC-ACID	Fruit				--
43	PROTOCATECHUIC-ACID	Fruit Juice				--
40	EPICATECHIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
39	NIACIN	Fruit	5.0	65.0	0.057508760745179625	--
38	(-)-EPICATECHIN	Leaf				--
38	(-)-EPICATECHIN	Fruit				--
35	TANNIN	Leaf	60000.0	200000.0	1.0922402514317946	--
35	TANNIN	Fruit	50000.0	120000.0	0.2460348882910567	--
35	GERANIOL	Fruit Juice				--
34	SALICYLIC-ACID	Leaf				--
32	HYDROQUINONE	Leaf				--
32	HYDROQUINONE	Fruit				--
31	THIAMIN	Fruit	7.0	8.0	0.3414272755878574	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	CARYOPHYLLENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
30	HYPEROSIDE	Leaf				--
30	(+)-CATECHIN	Leaf				--
30	ANTHOCYANINS	Leaf				--
30	HYPEROSIDE	Fruit				--
30	HYPEROSIDE	Fruit Juice				--
30	(+)-CATECHIN	Fruit				--
28	VANILLIN	Fruit Juice		0.015		--
28	CALCIUM	Fruit	510.0	6380.0	0.582373090515347	--
26	PHENOL	Fruit Juice		0.03		--
25	P-COUMARIC-ACID	Leaf				--
25	P-COUMARIC-ACID	Fruit Juice				--
25	P-COUMARIC-ACID	Fruit				--
25	OPCS	Fruit				--
24	BENZALDEHYDE	Fruit Juice				--
24	PECTIN	Fruit	4000.0	50000.0	-0.03661673030520101	--
24	CHROMIUM	Fruit		0.7	-0.4093125277624259	--
24	VANILLIC-ACID	Leaf				--
24	VANILLIC-ACID	Fruit Juice				--
24	VANILLIC-ACID	Fruit				--
23	CITRIC-ACID	Fruit				--
23	CITRIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
23	ALPHA-TERPINEOL	Fruit Juice		0.015	-0.7625968906166204	--
22	ISOQUERCITRIN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
22	ISOQUERCITRIN	Fruit Juice				--
21	(-)-EPIGALLOCATECHIN	Leaf				--
20	BENZOIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
19	CYANIDIN-3-O-GLUCOSIDE	Fruit				--
19	CYANIDIN-3-O-GLUCOSIDE	Leaf	342.0	684.0		--
18	CINNAMIC-ACID	Leaf				--
16	ISOEUGENOL	Fruit Juice				--
16	ACETIC-ACID	Fruit Juice		0.32	-0.9999999999999999	--
15	CITRONELLOL	Fruit Juice		0.001		--
15	ARBUTIN	Plant		15000.0	-1.3286388424226248	--
15	RIBOFLAVIN	Fruit	0.2	2.6	-0.5159915584690182	--
15	MALIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	LUTEIN	Tissue Culture				--
15	ARBUTIN	Leaf	0.0	3000.0	-0.7316170494453632	--
15	LUTEIN	Fruit	2.6	26.0	1.4117785541906174	--
15	ARBUTIN	Fruit		0.0		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
14	SUCROSE	Fruit				--
14	MANGANESE	Leaf		2500.0	3.6962602714553836	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	MANGANESE	Fruit	7.0	91.0	0.1965046391200611	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	SULFUR	Fruit	130.0	1075.0	-0.2363356329259065	ACTA AGRIC SCAND SUPPL 22: 1980
14	POTASSIUM	Fruit	1338.0	16730.0	-0.10497458816336862	--
13	P-HYDROXY-BENZOIC-ACID	Fruit				--
12	COPPER	Fruit	0.7	6.3	-0.5073665269805587	ACTA AGRIC SCAND SUPPL 22: 1980
10	NEROL	Fruit Juice		0.002		--
9	SINAPIC-ACID	Leaf				--
9	BENZYL-ALCOHOL	Fruit Juice		0.08		--
9	BETA-AMYRIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	ASPERULOSIDE	Fruit				--
9	OXALIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	ASPERULOSIDE	Leaf				--
9	DELPHINIDIN	Fruit				--
8	FRUCTOSE	Fruit				--
8	INOSITOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	GENTISIC-ACID	Leaf				--
8	P-CRESOL	Fruit Juice		0.001		--
7	CYANIDIN	Fruit				--
7	TRANS-CINNAMALDEHYDE	Fruit Juice				--
7	AVICULARIN	Leaf				Gruenwald, J. et al. 1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	ASTRAGALIN	Leaf				--
7	ASTRAGALIN	Fruit				--
7	GLUCOSE	Fruit				--
7	SUCCINIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	CYANIDIN	Leaf				--
6	IRON	Leaf		250.0	-0.28689375971144965	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Fruit	12.0	151.0	0.07148811973975773	--
6	EPIGALLOCATECHIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	MALVIDIN	Fruit				--
6	SYRINGIC-ACID	Fruit				--
6	SYRINGIC-ACID	Leaf				--
6	SYRINGIC-ACID	Fruit Juice				--
5	ALUMINUM	Fruit	25.0	318.0	-0.13100832398788578	--
5	ZEAXANTHIN	Tissue Culture				--
5	PHYLLOQUINONE	Fruit		0.04	-0.22673532125634782	--
4	BORON	Fruit	0.6	10.0	-0.6025676490591996	ACTA AGRIC SCAND SUPPL 22: 1980
4	SILICON	Fruit				--
4	CYANIDIN-3-O-GALACTOSIDE	Leaf	275.0	550.0		--
4	ISOFERULIC-ACID	Leaf				--
4	TRANS-2-HEXENAL	Fruit				--
4	TIN	Fruit	4.0	50.0	-0.1811041243657825	--
4	ISOCHLOROGENIC-ACID	Leaf		2000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	O-COUMARIC-ACID	Fruit				--
4	O-COUMARIC-ACID	Fruit Juice				--
4	CYANIDIN-3-O-GALACTOSIDE	Fruit				--
4	PROCYANIDIN-B-4	Fruit				--
4	PROCYANIDIN-B-4	Leaf				--
4	ISOCHLOROGENIC-ACID	Fruit		250.0	1.0	--
4	PHOSPHORUS	Fruit	856.0	10700.0	2.2731902006060767	--
3	PETUNIDIN	Fruit				--
3	PEONIDIN	Leaf				--
3	GAMMA-DECALACTONE	Fruit Juice		0.022		--
3	CADMIUM	Fruit	0.001	0.02	-0.5848464463574334	ACTA AGRIC SCAND SUPPL 22: 1980
2	MONOTROPEIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	MONOTROPEIN	Fruit				--
2	MOLYBDENUM	Fruit		0.1	-0.46519775248328327	ACTA AGRIC SCAND SUPPL 22: 1980
2	COBALT	Fruit		0.1	-0.5230092918235771	--
2	PROCYANIDIN-B-3	Fruit				--
2	PHENYL-ACETALDEHYDE	Fruit Juice		0.003		--
2	QUERCETIN-3'-GLUCOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	NONACOSANE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	MONOTROPEIN	Stem				--
2	ARSENIC	Fruit		0.01	-0.5241085631054083	ACTA AGRIC SCAND SUPPL 22: 1980
1	M-HYDROXYBENZOIC-ACID	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	IRIDOIDS	Leaf				--
1	PROCYANIDIN-B-2	Leaf				--
1	PROCYANIDIN-B-1	Fruit				--
1	MERCURY	Fruit		0.001	-0.7865389313824043	ACTA AGRIC SCAND SUPPL 22: 1980
1	QUINIC-ACID	Leaf	20000.0	50000.0	0.7547340705685329	--
1	MELILOTIC-ACID	Leaf				--
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	QUERCETIN-3-O-RHAMNOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	PROCYANIDIN-B-1	Leaf				--
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	CATECHINS	Leaf		200000.0	1.0	--
1	DELTA-DECALACTONE	Fruit Juice				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	DIHYDROXYCINNAMIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	M-HYDROXYBENZOIC-ACID	Fruit				--
1	CAPROIC-ACID	Fruit Juice		0.04	-0.9999999999999997	--
1	MYRTILLIN	Fruit				--
1	SODIUM	Fruit	4.0	50.0	-0.17920934261084967	--
1	PROCYANIDIN-B-2	Fruit				--