

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium myrtillus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	TANNIN	Leaf	60000.0	200000.0	1.0922402514317946	--
1	CATECHINS	Leaf		200000.0	1.0	--
35	TANNIN	Fruit	50000.0	120000.0	0.2460348882910567	--
24	PECTIN	Fruit	4000.0	50000.0	-0.03661673030520101	--
1	QUINIC-ACID	Leaf	20000.0	50000.0	0.7547340705685329	--
14	POTASSIUM	Fruit	1338.0	16730.0	-0.10497458816336862	--
15	ARBUTIN	Plant		15000.0	-1.3286388424226248	--
4	PHOSPHORUS	Fruit	856.0	10700.0	2.2731902006060767	--
28	CALCIUM	Fruit	510.0	6380.0	0.582373090515347	--
65	MAGNESIUM	Fruit	312.0	3900.0	0.8197346940018424	--
15	ARBUTIN	Leaf	0.0	3000.0	-0.7316170494453632	--
77	CHLOROGENIC-ACID	Leaf		2800.0	1.0924264319161126	--
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.
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.
4	ISOCHLOROGENIC-ACID	Leaf		2000.0		--
77	CHLOROGENIC-ACID	Fruit		1900.0	0.5534391651296359	--
112	ASCORBIC-ACID	Fruit	132.0	1650.0	-0.18189696747022557	--
14	SULFUR	Fruit	130.0	1075.0	-0.2363356329259065	ACTA AGRIC SCAND SUPPL 22: 1980
19	CYANIDIN-3-O-GLUCOSIDE	Leaf	342.0	684.0		--
4	CYANIDIN-3-O-GALACTOSIDE	Leaf	275.0	550.0		--
5	ALUMINUM	Fruit	25.0	318.0	-0.13100832398788578	--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	ISOCHLOROGENIC-ACID	Fruit		250.0	1.0	--
6	IRON	Fruit	12.0	151.0	0.07148811973975773	--
14	MANGANESE	Fruit	7.0	91.0	0.1965046391200611	--
39	NIACIN	Fruit	5.0	65.0	0.057508760745179625	--
4	TIN	Fruit	4.0	50.0	-0.1811041243657825	--
1	SODIUM	Fruit	4.0	50.0	-0.17920934261084967	--
53	BETA-CAROTENE	Fruit	4.0	47.0	-0.059950475940205736	--
102	CAFFEIC-ACID	Leaf		40.0	-0.7103779880667277	--
15	LUTEIN	Fruit	2.6	26.0	1.4117785541906174	--
4	BORON	Fruit	0.6	10.0	-0.6025676490591996	ACTA AGRIC SCAND SUPPL 22: 1980
77	ZINC	Fruit	1.0	8.7	-0.6499015135402889	--
31	THIAMIN	Fruit	7.0	8.0	0.3414272755878574	--
12	COPPER	Fruit	0.7	6.3	-0.5073665269805587	ACTA AGRIC SCAND SUPPL 22: 1980
60	SELENIUM	Fruit	0.2	2.8	0.30814666605054625	--
15	RIBOFLAVIN	Fruit	0.2	2.6	-0.5159915584690182	--
24	CHROMIUM	Fruit		0.7	-0.4093125277624259	--
16	ACETIC-ACID	Fruit Juice		0.32	-0.9999999999999999	--
2	MOLYBDENUM	Fruit		0.1	-0.46519775248328327	ACTA AGRIC SCAND SUPPL 22: 1980
2	COBALT	Fruit		0.1	-0.5230092918235771	--
9	BENZYL-ALCOHOL	Fruit Juice		0.08		--
1	CAPROIC-ACID	Fruit Juice		0.04	-0.9999999999999997	--
5	PHYLLOQUINONE	Fruit		0.04	-0.22673532125634782	--
26	PHENOL	Fruit Juice		0.03		--
3	GAMMA-DECALACTONE	Fruit Juice		0.022		--
3	CADMIUM	Fruit	0.001	0.02	-0.5848464463574334	ACTA AGRIC SCAND SUPPL 22: 1980
23	ALPHA-TERPINEOL	Fruit Juice		0.015	-0.7625968906166204	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	VANILLIN	Fruit Juice		0.015		--
76	EUGENOL	Fruit Juice		0.01		--
2	ARSENIC	Fruit		0.01	-0.5241085631054083	ACTA AGRIC SCAND SUPPL 22: 1980
53	LINALOOL	Fruit Juice		0.004	-0.9999999999999998	--
2	PHENYL-ACETALDEHYDE	Fruit Juice		0.003		--
10	NEROL	Fruit Juice		0.002		--
1	MERCURY	Fruit		0.001	-0.7865389313824043	ACTA AGRIC SCAND SUPPL 22: 1980
8	P-CRESOL	Fruit Juice		0.001		--
15	CITRONELLOL	Fruit Juice		0.001		--
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.
3	PETUNIDIN	Fruit				--
43	PROTocatechuic-acid	Leaf				--
2	MONOTROPEIN	Stem				--
30	(+)-CATECHIN	Leaf				--
2	MONOTROPEIN	Fruit				--
7	GLUCOSE	Fruit				--
4	CYANIDIN-3-O-GALACTOSIDE	Fruit				--
3	PEONIDIN	Leaf				--
4	PROCYANIDIN-B-4	Fruit				--
7	CYANIDIN	Fruit				--
30	(+)-CATECHIN	Fruit				--
9	BETA-AMYRIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	VANILLIC-ACID	Fruit Juice				--
2	PROCYANIDIN-B-3	Fruit				--
35	GERANIOL	Fruit Juice				--
6	SYRINGIC-ACID	Leaf				--
7	CYANIDIN	Leaf				--
24	VANILLIC-ACID	Fruit				--
38	(-)-EPICATECHIN	Fruit				--
4	PROCYANIDIN-B-4	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.
43	PROTocatechuic-ACID	Fruit Juice				--
1	PROCYANIDIN-B-1	Leaf				--
8	GENTISIC-ACID	Leaf				--
6	SYRINGIC-ACID	Fruit Juice				--
30	HYPEROSIDE	Leaf				--
89	URSOLIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	P-HYDROXY-BENZOIC-ACID	Fruit				--
1	PROCYANIDIN-B-2	Fruit				--
102	CAFFEIC-ACID	Fruit Juice				--
5	ZEAXANTHIN	Tissue Culture				--
1	M-HYDROXYBENZOIC-ACID	Fruit Juice				--
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
62	GALLIC-ACID	Fruit Juice				--
7	ASTRAGALIN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
44	QUERCITRIN	Leaf				--
14	SUCROSE	Fruit				--
30	HYPEROSIDE	Fruit				--
25	P-COUMARIC-ACID	Leaf				--
60	LIMONENE	Fruit Juice				--
9	OXALIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	PROCYANIDIN-B-2	Leaf				--
23	CITRIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
102	CAFFEIC-ACID	Fruit				--
4	O-COUMARIC-ACID	Fruit Juice				--
23	CITRIC-ACID	Fruit				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
4	ISOFERULIC-ACID	Leaf				--
7	ASTRAGALIN	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.
9	SINAPIC-ACID	Leaf				--
32	HYDROQUINONE	Leaf				--
64	OLEANOLIC-ACID	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	Fruit				--
15	LUTEIN	Tissue Culture				--
25	P-COUMARIC-ACID	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	MALVIDIN	Fruit				--
61	FERULIC-ACID	Leaf				--
9	ASPERULOSIDE	Leaf				--
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.
34	SALICYLIC-ACID	Leaf				--
62	GALLIC-ACID	Leaf				--
7	TRANS-CINNAMALDEHYDE	Fruit Juice				--
25	P-COUMARIC-ACID	Fruit				--
4	O-COUMARIC-ACID	Fruit				--
9	ASPERULOSIDE	Fruit				--
19	CYANIDIN-3-O-GLUCOSIDE	Fruit				--
6	SYRINGIC-ACID	Fruit				--
15	MALIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
16	ISOEUGENOL	Fruit Juice				--
8	INOSITOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
176	QUERCETIN	Leaf				--
87	RUTIN	Leaf				--
61	FERULIC-ACID	Fruit				--
60	CINNAMALDEHYDE	Fruit				--
25	OPCS	Fruit				--
2	NONACOSANE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	ANTHOCYANINS	Leaf				--
47	BETA-SITOSTEROL	Tissue Culture				--
4	TRANS-2-HEXENAL	Fruit				--
6	EPIGALLOCATECHIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	FRUCTOSE	Fruit				--
43	PROTocatechuic-ACID	Fruit				--
22	ISOQUERCITRIN	Fruit Juice				--
1	DIHYDROXYCINNAMIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
60	CINNAMALDEHYDE	Leaf				--
1	IRIDOIDS	Leaf				--
1	MELILOTIC-ACID	Leaf				--
47	BETA-SITOSTEROL	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.
18	CINNAMIC-ACID	Leaf				--
1	M-HYDROXYBENZOIC-ACID	Fruit				--
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
40	EPICATECHIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
61	FERULIC-ACID	Fruit Juice				--
44	QUERCITRIN	Fruit				--
9	DELPHINIDIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	HYPEROSIDE	Fruit Juice				--
21	(-)-EPIGALLOCATECHIN	Leaf				--
1	MYRTILLIN	Fruit				--
43	CATECHIN	Leaf				--
24	BENZALDEHYDE	Fruit Juice				--
44	QUERCITRIN	Fruit Juice				--
77	CHLOROGENIC-ACID	Fruit Juice				--
32	HYDROQUINONE	Fruit				--
38	(-)-EPICATECHIN	Leaf				--
2	MONOTROPEIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	SILICON	Fruit				--
24	VANILLIC-ACID	Leaf				--
22	ISOQUERCITRIN	Leaf				--
1	DELTA-DECALACTONE	Fruit Juice				--
31	CARYOPHYLLENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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)