

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Vaccinium macrocarpon

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1-O-BENZOYL-BETA-D-GLUCOSIDE	Fruit		112.0		--
0	2-METHYL-BUTYRIC-ACID	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	3-4-BETA-O-DI-GLUCOSYL-CAFFEOYL-BETA-GLUCOSE	Fruit				--
0	4-O-BETA-GLUCOSYL-CAFFEOYL-BETA-GLUCOSE	Fruit				--
0	6-O-BENZOYL-ALPHA-D-GLUCOSE	Fruit		17.0		--
0	ABSCISIC-ACID	Fruit				--
7	ALPHA-CAROTENE	Fruit				--
23	ALPHA-TERPINEOL	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
32	ALPHA-TOCOPHEROL	Fruit	9.0	81.0	0.12516020278252943	--
5	ALUMINUM	Fruit	2.0	15.0	-0.21915758507532193	ACTA AGRIC SCAND SUPPL 22: 1980
7	ANISALDEHYDE	Fruit				--
30	ANTHOCYANINS	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	ANTHOCYANOSIDES	Fruit				--
112	ASCORBIC-ACID	Fruit	144.0	1200.0	-0.2098766141984456	--
0	ASH	Fruit	4800.0	40000.0	-0.4315138599096578	--
24	BENZALDEHYDE	Fruit				--
20	BENZOIC-ACID	Fruit		124.0	-0.45674318767718664	--
9	BENZYL-ALCOHOL	Fruit				--
17	BENZYL-BENZOATE	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

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53	BETA-CAROTENE	Fruit	0.2	2.6	-0.14577487597542238	--
0	BETA-O-GLUCOSYL-FERULOYL-BETA-GLUCOSE	Fruit				--
4	BORON	Fruit	1.0	8.0	-0.6428352237966085	ACTA AGRIC SCAND SUPPL 22: 1980
3	CADMIUM	Fruit	0.03	0.23	0.03232819552729535	ACTA AGRIC SCAND SUPPL 22: 1980
0	CAFFEIC-ACID-3-GLUCOSIDE	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	CAFFEIC-ACID-4-GLUCOSIDE	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
28	CALCIUM	Fruit	1440.0	12000.0	1.8792463881704582	--
0	CARBOHYDRATES	Fruit	100000.0	942050.0	0.851154816423145	--
1	CATECHINS	Fruit				Abstract (See species file)
77	CHLOROGENIC-ACID	Fruit				--
24	CHROMIUM	Fruit				--
0	CHRYSANTHEMIN	Fruit				--
23	CITRIC-ACID	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
2	COBALT	Fruit				--
12	COPPER	Fruit	0.5	4.7	-0.6318936377533051	USDA's Ag Handbook 8 and sequelae)
0	CYANIDIN-3,5-DIGLUCOSIDE	Fruit				--
0	CYANIDIN-3-ARABINOSIDE	Fruit				--
0	CYANIDIN-3-GALACTOSIDE	Fruit				--
0	CYANIDIN-3-GLUCOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
76	EUGENOL	Fruit				--
0	FAT	Fruit	2280.0	19000.0	-0.49613161810423473	--
61	FERULIC-ACID	Fruit				--
15	FIBER	Fruit	12000.0	116000.0	-0.24229467570829002	--
0	FIBER(CRUDE)	Fruit		110000.0	-0.39899258365430046	--
0	FIBER(DIETARY)	Fruit		450000.0	1.1764883191904458	--
0	FOENICULIN	Fruit				--
15	FOLACIN	Fruit	0.1	0.2	-0.7547576455042277	USDA's Ag Handbook 8 and sequelae)
4	GLUCURONIC-ACID	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	GUM	Fruit	6000.0	50000.0	-1.0	--
2	HIPPURIC-ACID	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
30	HYPEROSIDE	Fruit				--
6	IRON	Fruit	1.0	8.0	-0.49575433892938076	--
0	KILOCALORIES	Fruit	490.0	3800.0	0.21179742548842775	--
0	LEAD	Fruit	0.2	2.0	-0.3720390542711243	ACTA AGRIC SCAND SUPPL 22: 1980
0	LEPTOSINE	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
15	LUTEIN	Fruit	0.28	2.0	-0.6619982620916077	--
65	MAGNESIUM	Fruit	240.0	2000.0	-0.060075695576469294	--
15	MALIC-ACID	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
14	MANGANESE	Fruit	0.6	5.0	-0.37056814220400325	--

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1	MERCURY	Fruit	0.001	0.007	-0.5062779328438466	ACTA AGRIC SCAND SUPPL 22: 1980
2	MOLYBDENUM	Fruit	0.1	0.7	-0.34494453431041505	ACTA AGRIC SCAND SUPPL 22: 1980
34	MYRICETIN	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	MYRICETIN-3-ARABINOSIDE	Fruit				--
0	MYRICETIN-3-DIGALACTOSIDE	Fruit				--
39	NIACIN	Fruit	10.0	80.0	0.25803272913297753	--
3	NICKEL	Fruit	0.05	0.38	-0.6638953685502524	ACTA AGRIC SCAND SUPPL 22: 1980
0	NITROGEN	Fruit	650.0	5000.0	-0.6746940790935003	ACTA AGRIC SCAND SUPPL 22: 1980
64	OLEANOLIC-ACID	Fruit				--
9	OXALIC-ACID	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	OXYCOCCRIYANINE	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
25	P-COUMARIC-ACID	Fruit				--
11	PANTOTHENIC-ACID	Fruit	2.2	16.0	-0.13423488366094238	USDA's Ag Handbook 8 and sequelae)
4	PARASORBIC-ACID	Shoot		84.0		--
2	PARASORBIC-ACID-GLUCOSIDE	Leaf				--
24	PECTIN	Fruit	4800.0	40000.0	-0.15534295636880713	--
0	PEONIDIN-3-ARABINOSIDE	Fruit				--
0	PEONIDIN-3-GALACTOSIDE	Fruit				--
0	PEONIDIN-3-GLUCOSIDE	Fruit				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Fruit	924.0	7700.0	1.3619708354287114	--
5	PHYLLOQUINONE	Fruit		0.02	-0.2298717692811047	--
14	POTASSIUM	Fruit	250.0	6777.0	-0.9855525790164796	--
0	PROTEIN	Fruit	9600.0	80000.0	-0.3954407558898315	--
176	QUERCETIN	Fruit	100.0	250.0	0.5459015540532566	--
44	QUERCITRIN	Fruit				--
1	QUINIC-ACID	Fruit	5000.0	9000.0	0.09583759703655248	--
68	RESVERATROL	Fruit				ARS News Notes, April 7, 1999. Anticancer Agent Confirmed in Berries; ARS Natural Products Utilization Research Unit, Oxford, Miss.
15	RIBOFLAVIN	Fruit	0.2	1.9	-0.6659082091213343	--
0	RUBIDIUM	Fruit	0.5	3.5	-1.1692480853928218	ACTA AGRIC SCAND SUPPL 22: 1980
60	SELENIUM	Fruit		0.002	-0.38569128420884563	ACTA AGRIC SCAND SUPPL 22: 1980
4	SILICON	Fruit	0.5	4.0	-0.5954470276467737	--
0	SINAPOYL-BETA-GLUCOSE	Fruit				--
1	SODIUM	Fruit	48.0	400.0	-0.14601923568808575	--
0	SUGARS	Fruit	14400.0	120000.0	-0.388868598447453	--
14	SULFUR	Fruit	65.0	500.0	-0.6365253352930811	ACTA AGRIC SCAND SUPPL 22: 1980
31	THIAMIN	Fruit	0.3	2.5	-0.3626018283442436	--
0	THIAMINE	Fruit	0.3	2.3	-0.555632493135673	--
0	TRITERPENOIDS	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
89	URSOLIC-ACID	Fruit				--
0	VACCINIIN	Fruit		18.0	-1.0	--
0	VIT-B-6	Fruit	0.6	5.4	-0.471669299127116	USDA's Ag Handbook 8 and sequelae)
0	WATER	Fruit		880000.0	0.475786939951751	--

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0	ZETA-CAROTENE	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
77	ZINC	Fruit				--