

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium vitis-idaea*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
30	(+)-CATECHIN	Fruit		3500.0	-1.0	--
38	(-)-EPICATECHIN	Leaf				--
0	1-AMINOCYCLOPROPAN-1-CARBONIC-ACID	Fruit				--
0	2-O-CAFFEYOYL-ARBUTIN	Leaf				--
0	4-HYDROXY-PHENYL-BETA-GENTIOBIOSIDE	Leaf				--
0	5-HYDROXY-PIPECOLIC-ACID	Fruit				--
5	ALUMINUM	Fruit	5.0	53.0	-0.20810256223267318	--
15	ARBUTIN	Leaf	40000.0	90000.0	0.5620960257933886	--
2	ARSENIC	Fruit				--
112	ASCORBIC-ACID	Fruit	280.0	1865.0	-0.16852891403340933	--
0	ASH	Fruit	2500.0	18000.0	-1.0012115032835212	--
7	AVICULARIN	Leaf				--
20	BENZOIC-ACID	Fruit		1360.0	1.7271430017580267	--
53	BETA-CAROTENE	Plant				--
0	BETA-HYDROXY-KETO-BUTYRIC-ACID	Fruit				--
4	BORON	Fruit	1.4	11.0	-0.582433861690495	--
0	BROMINE	Fruit				--
3	CADMIUM	Fruit	0.001	0.07	-0.43790010305154564	--
102	CAFFEIC-ACID	Leaf				--
28	CALCIUM	Fruit	180.0	1730.0	-0.490662645088971	--
0	CATECHIN-TANNINS	Leaf		80000.0	-1.0	--
24	CHROMIUM	Fruit	0.01	0.13	-0.4893736578871058	--
23	CITRIC-ACID	Fruit				--
2	COBALT	Fruit				--
12	COPPER	Fruit	0.7	5.2	-0.5929789156368218	--
0	CYANIDIN-3-GALACTOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
40	EPICATECHIN	Leaf				--
0	FLUORINE	Fruit	0.1	0.7	-0.645639695445324	--
8	FRUCTOSE	Fruit		50000.0	-0.12730980056563979	--
62	GALLIC-ACID	Leaf				--
0	GALLOCATECHIN	Leaf				--
7	GLUCOSE	Fruit		40000.0	-0.4705687734075308	--
32	HYDROQUINONE	Leaf				--
30	HYPEROSIDE	Leaf				--
30	HYPEROSIDE	Fruit				--
6	IRON	Fruit	4.0	31.0	-0.40451953788469414	--
6	IRON	Leaf		250.0	-0.28689375971144965	--
22	ISOQUERCITRIN	Leaf				--
75	KAEMPFEROL	Fruit				--
0	KETOGLUTARIC-ACID	Fruit				--
0	LEAD	Fruit	0.05	0.4	-0.46664922079159554	--
16	LYCOPENE	Fruit				--
65	MAGNESIUM	Fruit	80.0	600.0	-0.7083570352657517	--
15	MALIC-ACID	Fruit				--
14	MANGANESE	Leaf		2500.0	3.6962602714553836	--
14	MANGANESE	Fruit	28.0	250.0	1.2449298976145524	--
1	MERCURY	Fruit	0.0	0.07	2.43646255181101	--
2	MOLYBDENUM	Fruit				--
1	N-NONACOSANE	Fruit				--
24	PECTIN	Fruit		4000.0	-0.5827573701977885	--
4	PHOSPHORUS	Fruit	150.0	1130.0	-0.633599574309718	--
14	POTASSIUM	Fruit	720.0	6200.0	-1.0366018607126761	--
0	PYROSIDE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
176	QUERCETIN	Leaf				--
0	QUINIC-ACIC	Fruit				--
0	RUBIDIUM	Fruit	2.7	22.0	0.22373836408620662	--
34	SALICYLIC-ACID	Fruit				--
1	SALIDROSIDE	Leaf				--
60	SELENIUM	Fruit	0.0	0.013	-0.38296354387544557	--
4	SILICON	Fruit	5.0	133.0	-0.17632957850820472	--
14	SUCROSE	Fruit		5300.0	-0.7092372641276423	--
0	SUGAR	Fruit		80000.0	-0.732736691130559	--
14	SULFUR	Fruit	130.0	1075.0	-0.2363356329259065	--
35	TANNIN	Leaf	60000.0	200000.0	1.0922402514317946	--
89	URSOLIC-ACID	Fruit		7500.0	1.3363199543081485	--
0	VACCINIIN	Fruit		410.0	1.0	--
0	WATER	Fruit	800000.0	932000.0	0.701887807341757	--
5	ZEAXANTHIN	Fruit				--
77	ZINC	Fruit	1.7	14.0	-0.49044636326548674	--