

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	Leaf		40.0	-0.7103779880667277	--
102	CAFFEIC-ACID	Fruit Juice				--
102	CAFFEIC-ACID	Fruit				--
89	URSOLIC-ACID	Leaf				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.
87	RUTIN	Leaf				--
77	CHLOROGENIC-ACID	Leaf		2800.0	1.0924264319161126	--
77	ZINC	Fruit	1.0	8.7	-0.6499015135402889	--
77	CHLOROGENIC-ACID	Fruit Juice				--
77	CHLOROGENIC-ACID	Fruit		1900.0	0.5534391651296359	--
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	Leaf				--
62	GALLIC-ACID	Fruit Juice				--
61	FERULIC-ACID	Leaf				--
61	FERULIC-ACID	Fruit				--
61	FERULIC-ACID	Fruit Juice				--
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	LINALOOL	Fruit Juice		0.004	-0.9999999999999998	--
53	BETA-CAROTENE	Fruit	4.0	47.0	-0.059950475940205736	--
47	BETA-SITOSTEROL	Tissue Culture				--
47	BETA-SITOSTEROL	Fruit				--
44	QUERCITRIN	Fruit				--
44	QUERCITRIN	Fruit Juice				--
44	QUERCITRIN	Leaf				--
43	PROTOCATECHUIC-ACID	Fruit Juice				--
43	CATECHIN	Leaf				--
43	PROTOCATECHUIC-ACID	Leaf				--
43	PROTOCATECHUIC-ACID	Fruit				--
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	GERANIOL	Fruit Juice				--
35	TANNIN	Leaf	60000.0	200000.0	1.0922402514317946	--
35	TANNIN	Fruit	50000.0	120000.0	0.2460348882910567	--
34	SALICYLIC-ACID	Leaf				--
32	HYDROQUINONE	Leaf				--
32	HYDROQUINONE	Fruit				--
31	CARYOPHYLLENE	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
31	THIAMIN	Fruit	7.0	8.0	0.3414272755878574	--
30	HYPEROSIDE	Leaf				--
30	HYPEROSIDE	Fruit				--
30	ANTHOCYANINS	Leaf				--
30	(+)-CATECHIN	Fruit				--
30	(+)-CATECHIN	Leaf				--
30	HYPEROSIDE	Fruit Juice				--
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	Fruit				--
25	P-COUMARIC-ACID	Fruit Juice				--
25	OPCS	Fruit				--
25	P-COUMARIC-ACID	Leaf				--
24	CHROMIUM	Fruit		0.7	-0.4093125277624259	--
24	VANILLIC-ACID	Leaf				--
24	VANILLIC-ACID	Fruit				--
24	BENZALDEHYDE	Fruit Juice				--
24	PECTIN	Fruit	4000.0	50000.0	-0.03661673030520101	--
24	VANILLIC-ACID	Fruit Juice				--
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	--
23	CITRIC-ACID	Fruit				--
22	ISOQUERCITRIN	Fruit Juice				--
22	ISOQUERCITRIN	Leaf				--
21	(-)-EPIGALLOCATECHIN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	Fruit	2.6	26.0	1.4117785541906174	--
15	CITRONELLOL	Fruit Juice		0.001		--
15	ARBUTIN	Plant		15000.0	-1.3286388424226248	--
15	RIBOFLAVIN	Fruit	0.2	2.6	-0.5159915584690182	--
15	ARBUTIN	Leaf	0.0	3000.0	-0.7316170494453632	--
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.
15	LUTEIN	Tissue Culture				--
14	SULFUR	Fruit	130.0	1075.0	-0.2363356329259065	ACTA AGRIC SCAND SUPPL 22: 1980
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	--
14	SUCROSE	Fruit				--
14	POTASSIUM	Fruit	1338.0	16730.0	-0.10497458816336862	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	BETA-AMYRIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	BENZYL-ALCOHOL	Fruit Juice		0.08		--
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	Fruit				--
9	ASPERULOSIDE	Leaf				--
9	DELPHINIDIN	Fruit				--
9	SINAPIC-ACID	Leaf				--
8	P-CRESOL	Fruit Juice		0.001		--
8	FRUCTOSE	Fruit				--
8	GENTISIC-ACID	Leaf				--
8	INOSITOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	ASTRAGALIN	Leaf				--
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				--
7	ASTRAGALIN	Fruit				--
7	GLUCOSE	Fruit				--
7	TRANS-CINNAMALDEHYDE	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	CYANIDIN	Fruit				--
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)
6	SYRINGIC-ACID	Fruit				--
6	SYRINGIC-ACID	Leaf				--
6	SYRINGIC-ACID	Fruit Juice				--
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				--
5	PHYLLOQUINONE	Fruit		0.04	-0.22673532125634782	--
5	ALUMINUM	Fruit	25.0	318.0	-0.13100832398788578	--
5	ZEAXANTHIN	Tissue Culture				--
4	ISOFERULIC-ACID	Leaf				--
4	TIN	Fruit	4.0	50.0	-0.1811041243657825	--
4	ISOCHLOROGENIC-ACID	Leaf		2000.0		--
4	ISOCHLOROGENIC-ACID	Fruit		250.0	1.0	--
4	SILICON	Fruit				--
4	O-COUMARIC-ACID	Fruit				--
4	TRANS-2-HEXENAL	Fruit				--
4	CYANIDIN-3-O-GALACTOSIDE	Leaf	275.0	550.0		--
4	BORON	Fruit	0.6	10.0	-0.6025676490591996	ACTA AGRIC SCAND SUPPL 22: 1980

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PROCYANIDIN-B-4	Fruit				--
4	O-COUMARIC-ACID	Fruit Juice				--
4	PHOSPHORUS	Fruit	856.0	10700.0	2.2731902006060767	--
4	PROCYANIDIN-B-4	Leaf				--
4	CYANIDIN-3-O-GALACTOSIDE	Fruit				--
3	PETUNIDIN	Fruit				--
3	CADMIUM	Fruit	0.001	0.02	-0.5848464463574334	ACTA AGRIC SCAND SUPPL 22: 1980
3	PEONIDIN	Leaf				--
3	GAMMA-DECALACTONE	Fruit Juice		0.022		--
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	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	ARSENIC	Fruit		0.01	-0.5241085631054083	ACTA AGRIC SCAND SUPPL 22: 1980
2	PROCYANIDIN-B-3	Fruit				--
2	PHENYL-ACETALDEHYDE	Fruit Juice		0.003		--
2	MONOTROPEIN	Stem				--
2	COBALT	Fruit		0.1	-0.5230092918235771	--
1	PROCYANIDIN-B-2	Fruit				--
1	MYRTILLIN	Fruit				--
1	MELILOTIC-ACID	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	M-HYDROXYBENZOIC-ACID	Fruit				--
1	M-HYDROXYBENZOIC-ACID	Fruit Juice				--
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	SODIUM	Fruit	4.0	50.0	-0.17920934261084967	--
1	PROCYANIDIN-B-2	Leaf				--
1	IRIDOIDS	Leaf				--
1	MERCURY	Fruit		0.001	-0.7865389313824043	ACTA AGRIC SCAND SUPPL 22: 1980
1	PROCYANIDIN-B-1	Fruit				--
1	CAPROIC-ACID	Fruit Juice		0.04	-0.9999999999999997	--
1	DELPHINIDIN-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	PROCYANIDIN-B-1	Leaf				--
1	CATECHINS	Leaf		200000.0	1.0	--
1	QUINIC-ACID	Leaf	20000.0	50000.0	0.7547340705685329	--
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	DELTA-DECALACTONE	Fruit Juice				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
0	HEX-TRANS-2-EN-1-OL	Fruit Juice		0.01	-1.0	--
0	DELPHINIDIN-3-O-GALACTOSIDE	Fruit				--
0	NEOCLOROGENIC-ACID	Fruit		10.0		--
0	PETUNIDIN-3-O-GLUCOSIDE	Leaf	367.0	734.0		--
0	PETUNIDIN-3-O-ARABINOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	4-HYDROXY-BENZOIC-ACID	Leaf				--
0	3-HYDROXY-3-METHYLBUTANOIC-ACID-METHYL-ESTER	Fruit Juice				--
0	HYDROXY-ISOCARVOMENTHOL	Fruit Juice				--
0	DELPHINIDIN-3-O-GLUCOSIDE	Leaf	581.0	1162.0		--
0	MONOTROPEOSIDE	Leaf				--
0	PAEONIDIN-3-O-GALACTOSIDE	Fruit				--
0	CYANIDIN-3-ARABINOSIDE	Fruit				--
0	QUERCETIN-3-GLUCOSIDOGLUCOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HEX-TRANS-2-EN-1-OIC-ACID	Fruit Juice		0.03		--
0	QUERCETIN-3-RHAMNOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NEOCLOROGENIC-ACID	Leaf		140.0		--
0	PETUNIDIN-3-O-GALACTOSIDE	Leaf	189.0	378.0		--
0	PETUNIDIN-GLYCOSIDE	Plant				--
0	4-HYDROXY-BENZOIC-ACID	Fruit Juice				--
0	DELPHINIDIN-3-O-GALACTOSIDE	Leaf	504.0	1004.0		--
0	NEOMYRTILLIN	Shoot				--
0	CYANIDIN-GLYCOSIDE	Plant				--
0	QUERCETIN-3-ARABINOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HEX-TRANS-2-EN-1-AL	Fruit Juice		0.06		--
0	PETUNIDIN-3-O-ARABINOSIDE	Leaf	108.0	216.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PEONIDIN-3-O-GALACTOSIDE	Fruit				--
0	3,4-DIHYDROXYCINNAMIC-ACID	Fruit				--
0	DELPHINIDIN-3-O-ARABINOSIDE	Leaf	432.0	864.0		--
0	MALVIDIN-3-O-GALACTOSIDE	Fruit				--
0	MYRTINE	Shoot		17.5		--
0	APS-SULFOTRANSFERASE	Leaf				--
0	HEX-CIS-3-EN-1-OL	Fruit Juice		0.06		--
0	THIAMINE	Fruit	0.6	7.8	2.0731663991191227	--
0	PEONIDIN-3-O-ARABINOSIDE	Fruit				--
0	ACETOIN	Fruit Juice				--
0	LEUCOANTHOCYANINS	Leaf				--
0	DELPHINIDIN-3-MONOGLUCOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	M-COUMARIC-ACID	Fruit				--
0	CERYL-ALCOHOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	MALVIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
0	EPIMYRTINE	Shoot		4.3		--
0	QUERCETIN-3-O-GALACTOSIDE	Leaf				--
0	2-HYDROXY-3-METHYLBUTANOIC-ACID-METHYL-ESTER	Fruit Juice		0.02		--
0	SUGARS	Fruit	12000.0	150000.0	-0.26503678076002984	--
0	WATER	Fruit		920000.0	0.6497106840979096	--
0	QUERCETIN-3-GLUCOSYL-GLUCOSIDE	Leaf				--
0	PEONIDIN-3-O-GLUCOSIDE	Leaf	131.0	262.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FLUORINE	Fruit		0.1	-1.2385741096298049	ACTA AGRIC SCAND SUPPL 22: 1980
0	ACETIC-ACID-HEX-CIS-3-ENYL-ESTER	Fruit Juice				--
0	2-PHENYLETHANOL	Fruit Juice		0.02		--
0	PENTAN-1-OL	Fruit Juice		0.05	0.9999999999999999	--
0	MALVIDIN-3-O-ARABINOSIDE	Fruit				--
0	M-COUMARIC-ACID	Fruit Juice				--
0	CYANIDIN-3-O-ARABINOSIDE	Fruit				--
0	3-HYDROXY-3-METHYLBUTANOIC-ACID-ETHYL-ESTER	Fruit Juice		0.01		--
0	FAT	Fruit	1760.0	22000.0	-0.4732178594145328	--
0	HOMOPROTECATECHUIC-ACID	Leaf				--
0	PEONIDIN-3-O-GALACTOSIDE	Leaf	34.0	68.0		--
0	ASH	Fruit	3840.0	48000.0	-0.2243510805009802	--
0	GAMMA-DODECALACTONE	Fruit Juice				--
0	PENTAN-1-OIC-ACID	Fruit Juice				--
0	ACETIC-ACID-2-PHENYL-ETHYL-ESTER	Fruit Juice				--
0	LEAD	Fruit	0.04	0.7	-0.44890981456900714	--
0	MALVIDIN-3,5-DIGLUCOSIDE	Fruit				--
0	PROCYANIDIN-A-1	Leaf				--
0	CYANIDIN-3-GLUCOSIDE	Fruit				--
0	2-HYDROXY-3-METHYLBUTANOIC-ACID-ETHYL-ESTER	Fruit Juice				--
0	FIBER(DIETARY)	Fruit		370000.0	-0.1454086686639877	--
0	PEONIDIN-3-O-ARABINOSIDE	Leaf	22.0	44.0		--
0	FAT	Seed		310000.0	0.2349895147568526	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
0	ETHYL-3-METHYLBUTYRATE	Fruit				--
0	RUBIDIUM	Fruit	5.0	60.0	3.0850078278809683	ACTA AGRIC SCAND SUPPL 22: 1980
0	PAEONIDIN	Fruit				--
0	TRANS-CINNAMYL-ALCOHOL	Fruit Juice				--
0	MALVIDIN-GLYCOSIDE	Plant				--
0	DELPHINIDIN-GLYCOSIDE	Plant				--
0	4-VINLYPHENOL	Fruit Juice		0.01		--
0	CYANIDIN-3-GALACTOSIDE	Fruit				--
0	BUTANOIC-ACID	Fruit Juice		0.13	0.9999999999999999	--
0	FIBER(CRUDE)	Fruit		89000.0	-0.6728110234170557	--
0	3-PHENYL-PROPAN-1-OL	Fruit Juice		0.003		--
0	QUERCETIN-3-GLUCURONIDE	Leaf				--
0	EPIMYRTINE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	DELPHINIDIN-3-O-ARABINOSIDE	Fruit				--
0	ETHYL-2-METHYLBUTYRATE	Fruit				--
0	MALVIDIN-3-O-GLUCOSIDE	Leaf	335.0	370.0		--
0	GAMMA-OCTALACTONE	Fruit Juice		0.045		--
0	BROMINE	Fruit		1.0	-0.42563543443835	ACTA AGRIC SCAND SUPPL 22: 1980
0	PROTEIN	Fruit	10320.0	129000.0	0.26142555134441664	--
0	2-METHOXY-5-VINYLPHENOL	Fruit Juice				--
0	CHRYSANTHEMIN	Fruit				--
0	BUTAN-2-OL	Fruit Juice		0.01	-1.0	--
0	PENTYL-FURAN	Fruit Juice				--
0	PROCYANIDIN-C-1	Leaf				--
0	P-DIMETHYL-ALPHA-STYRENE	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NEOMYRTILLIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CYANIDIN-3-O-ARABINOSIDE	Leaf	219.0	438.0		--
0	RESINIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	MALVIDIN-3-O-GALACTOSIDE	Leaf	127.0	254.0		--
0	CYANADIN-3-O-ARABINOSIDE	Leaf	219.0	438.0		--
0	NONAN-1-AL	Fruit Juice				--
0	MERATRINE	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)
0	GALLOCATECHIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SALICYLIC-ACID-METHYL-ESTER	Fruit Juice		0.001		--
0	2-METHYL-BUTAN-1-OL	Fruit Juice				--
0	FORMIC-ACID-2-PHENYL-ETHYL-ESTER	Fruit Juice		0.002		--
0	GAMMA-BUTYROLACTONE	Fruit Juice				--
0	PARACOUMARIC-ACID	Fruit				--
0	MYRTINE	Plant		10.0		--
0	DELPHINIDIN-5-MONOGLYCOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	MALVIDIN-3-O-ARABINOSIDE	Leaf	81.0	162.0		--
0	HEXAN-1-OL	Fruit Juice		0.02		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1,8-CINEOL	Fruit Juice				--
0	INVERT-SUGARS	Fruit		300000.0	0.8532031018639995	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PETUNIDIN-3-O-GALACTOSIDE	Fruit				--
0	BUTAN-1-OL	Fruit Juice		0.001	-0.9999999999999999	--
0	FOENICULIN	Leaf				--
0	2-METHYL-BUTANOIC-ACID	Fruit Juice		0.06	1.0000000000000013	--
0	MYRTILLOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	DELPHINIDIN-3-RHAMNOGLYCOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ANTHOCYANOSIDES	Leaf	3000.0	20000.0		--
0	MONOTROPEOSIDE	Fruit				--
0	ANTHOCYANOSIDES	Fruit		30000.0	1.0	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.