

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium myrtillus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	RUBIDIUM	Fruit	5.0	60.0	3.0850078278809683	ACTA AGRIC SCAND SUPPL 22: 1980
4	PHOSPHORUS	Fruit	856.0	10700.0	2.2731902006060767	--
0	THIAMINE	Fruit	0.6	7.8	2.0731663991191227	--
15	LUTEIN	Fruit	2.6	26.0	1.4117785541906174	--
77	CHLOROGENIC-ACID	Leaf		2800.0	1.0924264319161126	--
35	TANNIN	Leaf	60000.0	200000.0	1.0922402514317946	--
0	2-METHYL-BUTANOIC-ACID	Fruit Juice		0.06	1.0000000000000013	--
4	ISOCHLOROGENIC-ACID	Fruit		250.0	1.0	--
1	CATECHINS	Leaf		200000.0	1.0	--
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.
0	PENTAN-1-OL	Fruit Juice		0.05	0.9999999999999999	--
0	BUTANOIC-ACID	Fruit Juice		0.13	0.9999999999999999	--
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.
65	MAGNESIUM	Fruit	312.0	3900.0	0.8197346940018424	--
1	QUINIC-ACID	Leaf	20000.0	50000.0	0.7547340705685329	--
0	WATER	Fruit		920000.0	0.6497106840979096	--
28	CALCIUM	Fruit	510.0	6380.0	0.582373090515347	--
77	CHLOROGENIC-ACID	Fruit		1900.0	0.5534391651296359	--
31	THIAMIN	Fruit	7.0	8.0	0.3414272755878574	--
60	SELENIUM	Fruit	0.2	2.8	0.30814666605054625	--
0	PROTEIN	Fruit	10320.0	129000.0	0.26142555134441664	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	TANNIN	Fruit	50000.0	120000.0	0.2460348882910567	--
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.
14	MANGANESE	Fruit	7.0	91.0	0.1965046391200611	--
6	IRON	Fruit	12.0	151.0	0.07148811973975773	--
39	NIACIN	Fruit	5.0	65.0	0.057508760745179625	--
24	PECTIN	Fruit	4000.0	50000.0	-0.03661673030520101	--
53	BETA-CAROTENE	Fruit	4.0	47.0	-0.059950475940205736	--
14	POTASSIUM	Fruit	1338.0	16730.0	-0.10497458816336862	--
5	ALUMINUM	Fruit	25.0	318.0	-0.13100832398788578	--
0	FIBER(DIETARY)	Fruit		370000.0	-0.1454086686639877	--
1	SODIUM	Fruit	4.0	50.0	-0.17920934261084967	--
4	TIN	Fruit	4.0	50.0	-0.1811041243657825	--
112	ASCORBIC-ACID	Fruit	132.0	1650.0	-0.18189696747022557	--
0	ASH	Fruit	3840.0	48000.0	-0.2243510805009802	--
5	PHYLLOQUINONE	Fruit		0.04	-0.22673532125634782	--
14	SULFUR	Fruit	130.0	1075.0	-0.2363356329259065	ACTA AGRIC SCAND SUPPL 22: 1980
0	SUGARS	Fruit	12000.0	150000.0	-0.26503678076002984	--
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.
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.
24	CHROMIUM	Fruit		0.7	-0.4093125277624259	--
0	BROMINE	Fruit		1.0	-0.42563543443835	ACTA AGRIC SCAND SUPPL 22: 1980
0	LEAD	Fruit	0.04	0.7	-0.44890981456900714	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	MOLYBDENUM	Fruit		0.1	-0.46519775248328327	ACTA AGRIC SCAND SUPPL 22: 1980
0	FAT	Fruit	1760.0	22000.0	-0.4732178594145328	--
12	COPPER	Fruit	0.7	6.3	-0.5073665269805587	ACTA AGRIC SCAND SUPPL 22: 1980
15	RIBOFLAVIN	Fruit	0.2	2.6	-0.5159915584690182	--
2	COBALT	Fruit		0.1	-0.5230092918235771	--
2	ARSENIC	Fruit		0.01	-0.5241085631054083	ACTA AGRIC SCAND SUPPL 22: 1980
3	CADMIUM	Fruit	0.001	0.02	-0.5848464463574334	ACTA AGRIC SCAND SUPPL 22: 1980
4	BORON	Fruit	0.6	10.0	-0.6025676490591996	ACTA AGRIC SCAND SUPPL 22: 1980
77	ZINC	Fruit	1.0	8.7	-0.6499015135402889	--
0	FIBER(CRUDE)	Fruit		89000.0	-0.6728110234170557	--
102	CAFFEIC-ACID	Leaf		40.0	-0.7103779880667277	--
15	ARBUTIN	Leaf	0.0	3000.0	-0.7316170494453632	--
23	ALPHA-TERPINEOL	Fruit Juice		0.015	-0.7625968906166204	--
1	MERCURY	Fruit		0.001	-0.7865389313824043	ACTA AGRIC SCAND SUPPL 22: 1980
1	CAPROIC-ACID	Fruit Juice		0.04	-0.9999999999999997	--
53	LINALOOL	Fruit Juice		0.004	-0.9999999999999998	--
16	ACETIC-ACID	Fruit Juice		0.32	-0.9999999999999999	--
0	BUTAN-1-OL	Fruit Juice		0.001	-0.9999999999999999	--
0	HEX-TRANS-2-EN-1-OL	Fruit Juice		0.01	-1.0	--
0	BUTAN-2-OL	Fruit Juice		0.01	-1.0	--
0	FLUORINE	Fruit		0.1	-1.2385741096298049	ACTA AGRIC SCAND SUPPL 22: 1980
15	ARBUTIN	Plant		15000.0	-1.3286388424226248	--
30	HYPEROSIDE	Leaf				--
0	NEOCLOGROGENIC-ACID	Fruit		10.0		--
87	RUTIN	Leaf				--
0	PETUNIDIN-3-O-GLUCOSIDE	Leaf	367.0	734.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	BETA-AMYRIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	DELPHINIDIN-3-O-GALACTOSIDE	Fruit				--
40	EPICATECHIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PETUNIDIN-3-O-ARABINOSIDE	Fruit				--
0	4-HYDROXY-BENZOIC-ACID	Leaf				--
9	BENZYL-ALCOHOL	Fruit Juice		0.08		--
1	MYRTILLIN	Fruit				--
4	ISOFERULIC-ACID	Leaf				--
6	SYRINGIC-ACID	Fruit				--
0	DELPHINIDIN-3-O-GLUCOSIDE	Leaf	581.0	1162.0		--
0	3-HYDROXY-3-METHYLBUTANOIC-ACID-METHYL-ESTER	Fruit Juice				--
1	PROCYANIDIN-B-2	Fruit				--
0	HYDROXY-ISOCARVOMENTHOL	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.
0	MONOTROPEOSIDE	Leaf				--
0	PAEONIDIN-3-O-GALACTOSIDE	Fruit				--
43	PROTOCATECHUIC-ACID	Fruit Juice				--
15	MALIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CYANIDIN-3-ARABINOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	VANILLIN	Fruit Juice		0.015		--
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.
23	CITRIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
30	HYPEROSIDE	Fruit				--
0	NEOCLOROGENIC-ACID	Leaf		140.0		--
22	ISOQUERCITRIN	Fruit Juice				--
0	PETUNIDIN-3-O-GALACTOSIDE	Leaf	189.0	378.0		--
20	BENZOIC-ACID	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.
43	CATECHIN	Leaf				--
0	PETUNIDIN-GLYCOSIDE	Plant				--
0	4-HYDROXY-BENZOIC-ACID	Fruit Juice				--
9	ASPERULOSIDE	Fruit				--
2	MONOTROPEIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
61	FERULIC-ACID	Leaf				--
25	P-COUMARIC-ACID	Fruit				--
0	DELPHINIDIN-3-O-GALACTOSIDE	Leaf	504.0	1004.0		--
1	MELILOTIC-ACID	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
25	P-COUMARIC-ACID	Fruit Juice				--
0	NEOMYRTILLIN	Shoot				--
0	CYANIDIN-GLYCOSIDE	Plant				--
24	VANILLIC-ACID	Leaf				--
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	PETUNIDIN-3-O-ARABINOSIDE	Leaf	108.0	216.0		--
7	ASTRAGALIN	Leaf				--
0	HEX-TRANS-2-EN-1-AL	Fruit Juice		0.06		--
31	CARYOPHYLENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
32	HYDROQUINONE	Leaf				--
4	ISOCHLOROGENIC-ACID	Leaf		2000.0		--
44	QUERCITRIN	Fruit				--
0	PEONIDIN-3-O-GALACTOSIDE	Fruit				--
0	3,4-DIHYDROXYCINNAMIC-ACID	Fruit				--
30	ANTHOCYANINS	Leaf				--
2	MONOTROPEIN	Fruit				--
16	ISOEUGENOL	Fruit Juice				--
25	OPCS	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.
0	DELPHINIDIN-3-O-ARABINOSIDE	Leaf	432.0	864.0		--
0	MALVIDIN-3-O-GALACTOSIDE	Fruit				--
0	MYRTINE	Shoot		17.5		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	M-HYDROXYBENZOIC-ACID	Fruit Juice				--
1	M-HYDROXYBENZOIC-ACID	Fruit				--
7	CYANIDIN	Leaf				--
0	APS-SULFOTRANSFERASE	Leaf				--
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.
7	ASTRAGALIN	Fruit				--
0	HEX-CIS-3-EN-1-OL	Fruit Juice		0.06		--
62	GALLIC-ACID	Leaf				--
77	CHLOROGENIC-ACID	Fruit Juice				--
44	QUERCITRIN	Fruit Juice				--
3	PETUNIDIN	Fruit				--
0	PEONIDIN-3-O-ARABINOSIDE	Fruit				--
21	(-)-EPIGALLOCATECHIN	Leaf				--
0	ACETOIN	Fruit Juice				--
76	EUGENOL	Fruit Juice		0.01		--
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	MALVIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
0	EPIMYRTINE	Shoot		4.3		--
0	M-COUMARIC-ACID	Fruit				--
8	P-CRESOL	Fruit Juice		0.001		--
0	QUERCETIN-3-O-GALACTOSIDE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CERYL-ALCOHOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	ASPERULOSIDE	Leaf				--
1	PROCYANIDIN-B-2	Leaf				--
19	CYANIDIN-3-O-GLUCOSIDE	Fruit				--
0	2-HYDROXY-3-METHYLBUTANOIC-ACID-METHYL-ESTER	Fruit Juice		0.02		--
64	OLEANOLIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	GLUCOSE	Fruit				--
0	QUERCETIN-3-GLUCOSYL-GLUCOSIDE	Leaf				--
0	PEONIDIN-3-O-GLUCOSIDE	Leaf	131.0	262.0		--
38	(-)-EPICATECHIN	Leaf				--
0	ACETIC-ACID-HEX-CIS-3-ENYL-ESTER	Fruit Juice				--
0	2-PHENYLETHANOL	Fruit Juice		0.02		--
1	IRIDOIDS	Leaf				--
4	SILICON	Fruit				--
9	DELPHINIDIN	Fruit				--
0	MALVIDIN-3-O-ARABINOSIDE	Fruit				--
8	FRUCTOSE	Fruit				--
0	M-COUMARIC-ACID	Fruit Juice				--
25	P-COUMARIC-ACID	Leaf				--
6	SYRINGIC-ACID	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.



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	PROCYANIDIN-B-1	Fruit				--
0	CYANIDIN-3-O-ARABINOSIDE	Fruit				--
0	3-HYDROXY-3-METHYLBUTANOIC-ACID-ETHYL-ESTER	Fruit Juice		0.01		--
4	O-COUMARIC-ACID	Fruit				--
35	GERANIOL	Fruit Juice				--
24	VANILLIC-ACID	Fruit				--
61	FERULIC-ACID	Fruit				--
30	(+)-CATECHIN	Fruit				--
0	HOMOPROTOCATECHUIC-ACID	Leaf				--
0	PEONIDIN-3-O-GALACTOSIDE	Leaf	34.0	68.0		--
0	PENTAN-1-OIC-ACID	Fruit Juice				--
30	(+)-CATECHIN	Leaf				--
0	ACETIC-ACID-2-PHENYL-ETHYL-ESTER	Fruit Juice				--
0	GAMMA-DODECALACTONE	Fruit Juice				--
4	TRANS-2-HEXENAL	Fruit				--
19	CYANIDIN-3-O-GLUCOSIDE	Leaf	342.0	684.0		--
0	MALVIDIN-3,5-DIGLUCOSIDE	Fruit				--
61	FERULIC-ACID	Fruit Juice				--
23	CITRIC-ACID	Fruit				--
15	CITRONELLOL	Fruit Juice		0.001		--
6	SYRINGIC-ACID	Fruit Juice				--
176	QUERCETIN	Leaf				--
0	PROCYANIDIN-A-1	Leaf				--
0	CYANIDIN-3-GLUCOSIDE	Fruit				--
0	2-HYDROXY-3-METHYLBUTANOIC-ACID-ETHYL-ESTER	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	NONACOSANE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	GENTISIC-ACID	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.
43	PROTOCATECHUIC-ACID	Leaf				--
5	ZEAXANTHIN	Tissue Culture				--
0	PEONIDIN-3-O-ARABINOSIDE	Leaf	22.0	44.0		--
0	PAEONIDIN	Fruit				--
0	TRANS-CINNAMYL-ALCOHOL	Fruit Juice				--
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
0	ETHYL-3-METHYLBUTYRATE	Fruit				--
4	CYANIDIN-3-O-GALACTOSIDE	Leaf	275.0	550.0		--
0	MALVIDIN-GLYCOSIDE	Plant				--
0	DELPHINIDIN-GLYCOSIDE	Plant				--
22	ISOQUERCITRIN	Leaf				--
7	TRANS-CINNAMALDEHYDE	Fruit Juice				--
14	SUCROSE	Fruit				--
43	PROTOCATECHUIC-ACID	Fruit				--
0	4-VINYLPHENOL	Fruit Juice		0.01		--
0	CYANIDIN-3-GALACTOSIDE	Fruit				--
62	GALLIC-ACID	Fruit Juice				--
0	EPIMYRTINE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
102	CAFFEIC-ACID	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	3-PHENYL-PROPAN-1-OL	Fruit Juice		0.003		--
0	QUERCETIN-3-GLUCURONIDE	Leaf				--
3	PEONIDIN	Leaf				--
0	GAMMA-OCTALACTONE	Fruit Juice		0.045		--
2	PROCYANIDIN-B-3	Fruit				--
2	PHENYL-ACETALDEHYDE	Fruit Juice		0.003		--
0	MALVIDIN-3-O-GLUCOSIDE	Leaf	335.0	370.0		--
0	DELPHINIDIN-3-O-ARABINOSIDE	Fruit				--
0	ETHYL-2-METHYL-BUTYRATE	Fruit				--
7	CYANIDIN	Fruit				--
8	INOSITOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
60	CINNAMALDEHYDE	Fruit				--
9	SINAPIC-ACID	Leaf				--
30	HYPEROSIDE	Fruit Juice				--
24	BENZALDEHYDE	Fruit Juice				--
0	2-METHOXY-5-VINYLPHENOL	Fruit Juice				--
0	CHRYSANTHEMIN	Fruit				--
0	NEOMYRTILLIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PENTYL-FURAN	Fruit Juice				--
38	(-)-EPICATECHIN	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.
102	CAFFEIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROCYANIDIN-C-1	Leaf				--
0	P-DIMETHYL-ALPHA-STYRENE	Fruit Juice				--
0	NONAN-1-AL	Fruit Juice				--
1	PROCYANIDIN-B-1	Leaf				--
0	MALVIDIN-3-O-GALACTOSIDE	Leaf	127.0	254.0		--
3	GAMMA-DECALACTONE	Fruit Juice		0.022		--
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	CYANADIN-3-O-ARABINOSIDE	Leaf	219.0	438.0		--
60	CINNAMALDEHYDE	Leaf				--
0	SALICYLIC-ACID-METHYL-ESTER	Fruit Juice		0.001		--
32	HYDROQUINONE	Fruit				--
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.
26	PHENOL	Fruit Juice		0.03		--
47	BETA-SITOSTEROL	Tissue Culture				--
0	2-METHYL-BUTAN-1-OL	Fruit Juice				--
0	MYRTINE	Plant		10.0		--
0	FORMIC-ACID-2-PHENYL-ETHYL-ESTER	Fruit Juice		0.002		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	GAMMA-BUTYROLACTONE	Fruit Juice				--
4	PROCYANIDIN-B-4	Fruit				--
4	O-COUMARIC-ACID	Fruit Juice				--
0	PARACOUMARIC-ACID	Fruit				--
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.
10	NEROL	Fruit Juice		0.002		--
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
2	MONOTROPEIN	Stem				--
0	MALVIDIN-3-O-ARABINOSIDE	Leaf	81.0	162.0		--
1	DELTA-DECALACTONE	Fruit Juice				--
18	CINNAMIC-ACID	Leaf				--
0	1,8-CINEOL	Fruit Juice				--
34	SALICYLIC-ACID	Leaf				--
0	HEXAN-1-OL	Fruit Juice		0.02		--
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	EPIGALLOCATECHIN	Leaf				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				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
47	BETA-SITOSTEROL	Fruit				--
0	MYRTILLOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FOENICULIN	Leaf				--
60	LIMONENE	Fruit Juice				--
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.
4	PROCYANIDIN-B-4	Leaf				--
15	LUTEIN	Tissue Culture				--
13	P-HYDROXY-BENZOIC-ACID	Fruit				--
0	ANTHOCYANOSIDES	Leaf	3000.0	20000.0		--
0	MONOTROPEOSIDE	Fruit				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
24	VANILLIC-ACID	Fruit Juice				--
6	MALVIDIN	Fruit				--
4	CYANIDIN-3-O-GALACTOSIDE	Fruit				--
44	QUERCITRIN	Leaf				--