

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium myrtillus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
30	(+)-CATECHIN	Leaf				--
30	(+)-CATECHIN	Fruit				--
38	(-)-EPICATECHIN	Leaf				--
38	(-)-EPICATECHIN	Fruit				--
21	(-)-EPIGALLOCATECHIN	Leaf				--
0	1,8-CINEOL	Fruit Juice				--
0	2-HYDROXY-3-METHYLBUTANOIC-ACID-ETHYL-ESTER	Fruit Juice				--
0	2-HYDROXY-3-METHYLBUTANOIC-ACID-METHYL-ESTER	Fruit Juice		0.02		--
0	2-METHOXY-5-VINYLPHENOL	Fruit Juice				--
0	2-METHYL-BUTAN-1-OL	Fruit Juice				--
0	2-METHYL-BUTANOIC-ACID	Fruit Juice		0.06	1.0000000000000013	--
0	2-PHENYLETHANOL	Fruit Juice		0.02		--
0	3,4-DIHYDROXYCINNAMIC-ACID	Fruit				--
0	3-HYDROXY-3-METHYLBUTANOIC-ACID-ETHYL-ESTER	Fruit Juice		0.01		--
0	3-HYDROXY-3-METHYLBUTANOIC-ACID-METHYL-ESTER	Fruit Juice				--
0	3-PHENYL-PROPAN-1-OL	Fruit Juice		0.003		--
0	4-HYDROXY-BENZOIC-ACID	Leaf				--
0	4-HYDROXY-BENZOIC-ACID	Fruit Juice				--
0	4-VINYLPHENOL	Fruit Juice		0.01		--
16	ACETIC-ACID	Fruit Juice		0.32	-0.9999999999999999	--
0	ACETIC-ACID-2-PHENYLETHYL-ESTER	Fruit Juice				--
0	ACETIC-ACID-HEX-CIS-3-ENYL-ESTER	Fruit Juice				--
0	ACETOIN	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	ALPHA-TERPINEOL	Fruit Juice		0.015	-0.7625968906166204	--
5	ALUMINUM	Fruit	25.0	318.0	-0.13100832398788578	--
30	ANTHOCYANINS	Leaf				--
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	ANTHOCYANOSIDES	Leaf	3000.0	20000.0		--
0	APS-SULFOTRANSFERASE	Leaf				--
15	ARBUTIN	Plant		15000.0	-1.3286388424226248	--
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.
2	ARSENIC	Fruit		0.01	-0.5241085631054083	ACTA AGRIC SCAND SUPPL 22: 1980
112	ASCORBIC-ACID	Fruit	132.0	1650.0	-0.18189696747022557	--
0	ASH	Fruit	3840.0	48000.0	-0.2243510805009802	--
9	ASPERULOSIDE	Leaf				--
9	ASPERULOSIDE	Fruit				--
7	ASTRAGALIN	Leaf				--
7	ASTRAGALIN	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)
24	BENZALDEHYDE	Fruit Juice				--

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.
9	BENZYL-ALCOHOL	Fruit Juice		0.08		--
9	BETA-AMYRIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
53	BETA-CAROTENE	Fruit	4.0	47.0	-0.059950475940205736	--
47	BETA-SITOSTEROL	Tissue Culture				--
47	BETA-SITOSTEROL	Fruit				--
4	BORON	Fruit	0.6	10.0	-0.6025676490591996	ACTA AGRIC SCAND SUPPL 22: 1980
0	BROMINE	Fruit		1.0	-0.42563543443835	ACTA AGRIC SCAND SUPPL 22: 1980
0	BUTAN-1-OL	Fruit Juice		0.001	-0.9999999999999999	--
0	BUTAN-2-OL	Fruit Juice		0.01	-1.0	--
0	BUTANOIC-ACID	Fruit Juice		0.13	0.9999999999999999	--
3	CADMIUM	Fruit	0.001	0.02	-0.5848464463574334	ACTA AGRIC SCAND SUPPL 22: 1980
102	CAFFEIC-ACID	Leaf		40.0	-0.7103779880667277	--
102	CAFFEIC-ACID	Fruit Juice				--
102	CAFFEIC-ACID	Fruit				--
28	CALCIUM	Fruit	510.0	6380.0	0.582373090515347	--
1	CAPROIC-ACID	Fruit Juice		0.04	-0.9999999999999997	--
31	CARYOPHYLENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
43	CATECHIN	Leaf				--
1	CATECHINS	Leaf		200000.0	1.0	--

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.
77	CHLOROGENIC-ACID	Leaf		2800.0	1.0924264319161126	--
77	CHLOROGENIC-ACID	Fruit Juice				--
77	CHLOROGENIC-ACID	Fruit		1900.0	0.5534391651296359	--
24	CHROMIUM	Fruit		0.7	-0.4093125277624259	--
0	CHRYSANTHEMIN	Fruit				--
60	CINNAMALDEHYDE	Fruit				--
60	CINNAMALDEHYDE	Leaf				--
18	CINNAMIC-ACID	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.
23	CITRIC-ACID	Fruit				--
15	CITRONELLOL	Fruit Juice		0.001		--
2	COBALT	Fruit		0.1	-0.5230092918235771	--
12	COPPER	Fruit	0.7	6.3	-0.5073665269805587	ACTA AGRIC SCAND SUPPL 22: 1980
0	CYANADIN-3-O-ARABINOSIDE	Leaf	219.0	438.0		--
7	CYANIDIN	Leaf				--
7	CYANIDIN	Fruit				--
0	CYANIDIN-3-ARABINOSIDE	Fruit				--
0	CYANIDIN-3-GALACTOSIDE	Fruit				--
0	CYANIDIN-3-GLUCOSIDE	Fruit				--
0	CYANIDIN-3-O-ARABINOSIDE	Fruit				--
0	CYANIDIN-3-O-ARABINOSIDE	Leaf	219.0	438.0		--
4	CYANIDIN-3-O-GALACTOSIDE	Leaf	275.0	550.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	CYANIDIN-3-O-GALACTOSIDE	Fruit				--
19	CYANIDIN-3-O-GLUCOSIDE	Fruit				--
19	CYANIDIN-3-O-GLUCOSIDE	Leaf	342.0	684.0		--
0	CYANIDIN-GLYCOSIDE	Plant				--
9	DELPHINIDIN	Fruit				--
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	DELPHINIDIN-3-O-ARABINOSIDE	Leaf	432.0	864.0		--
0	DELPHINIDIN-3-O-ARABINOSIDE	Fruit				--
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
0	DELPHINIDIN-3-O-GALACTOSIDE	Leaf	504.0	1004.0		--
0	DELPHINIDIN-3-O-GALACTOSIDE	Fruit				--
0	DELPHINIDIN-3-O-GLUCOSIDE	Leaf	581.0	1162.0		--
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	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	DELPHINIDIN-GLYCOSIDE	Plant				--
1	DELTA-DECALACTONE	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.
40	EPICATECHIN	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
6	EPIGALLOCATECHIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EPIMYRTINE	Shoot		4.3		--
0	EPIMYRTINE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ETHYL-2-METHYL-BUTYRATE	Fruit				--
0	ETHYL-3-METHYLBUTYRATE	Fruit				--
76	EUGENOL	Fruit Juice		0.01		--
0	FAT	Fruit	1760.0	22000.0	-0.4732178594145328	--
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.
61	FERULIC-ACID	Fruit Juice				--
61	FERULIC-ACID	Fruit				--
61	FERULIC-ACID	Leaf				--
0	FIBER(CRUDE)	Fruit		89000.0	-0.6728110234170557	--
0	FIBER(DIETARY)	Fruit		370000.0	-0.1454086686639877	--
0	FLUORINE	Fruit		0.1	-1.2385741096298049	ACTA AGRIC SCAND SUPPL 22: 1980
0	FOENICULIN	Leaf				--
0	FORMIC-ACID-2-PHENYL-ETHYL-ESTER	Fruit Juice		0.002		--
8	FRUCTOSE	Fruit				--
62	GALLIC-ACID	Leaf				--
62	GALLIC-ACID	Fruit Juice				--
0	GALLOCATECHIN	Leaf				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				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	GAMMA-DECALACTONE	Fruit Juice		0.022		--
0	GAMMA-DODECALACTONE	Fruit Juice				--
0	GAMMA-OCTALACTONE	Fruit Juice		0.045		--
8	GENTISIC-ACID	Leaf				--
35	GERANIOL	Fruit Juice				--
7	GLUCOSE	Fruit				--
0	HEX-CIS-3-EN-1-OL	Fruit Juice		0.06		--
0	HEX-TRANS-2-EN-1-AL	Fruit Juice		0.06		--
0	HEX-TRANS-2-EN-1-OIC-ACID	Fruit Juice		0.03		--
0	HEX-TRANS-2-EN-1-OL	Fruit Juice		0.01	-1.0	--
0	HEXAN-1-OL	Fruit Juice		0.02		--
0	HOMOPROTOCATECHUIC-ACID	Leaf				--
32	HYDROQUINONE	Leaf				--
32	HYDROQUINONE	Fruit				--
0	HYDROXY-ISOCARVOMENTHOL	Fruit Juice				--
30	HYPEROSIDE	Leaf				--
30	HYPEROSIDE	Fruit				--
30	HYPEROSIDE	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.
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.
1	IRIDOIDS	Leaf				--
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
6	IRON	Fruit	12.0	151.0	0.07148811973975773	--
4	ISOCHLOROGENIC-ACID	Fruit		250.0	1.0	--
4	ISOCHLOROGENIC-ACID	Leaf		2000.0		--
16	ISOEUGENOL	Fruit Juice				--
4	ISOFERULIC-ACID	Leaf				--
22	ISOQUERCITRIN	Leaf				--
22	ISOQUERCITRIN	Fruit Juice				--
0	LEAD	Fruit	0.04	0.7	-0.44890981456900714	--
0	LEUCOANTHOCYANINS	Leaf				--
60	LIMONENE	Fruit Juice				--
53	LINALOOL	Fruit Juice		0.004	-0.9999999999999998	--
15	LUTEIN	Fruit	2.6	26.0	1.4117785541906174	--
15	LUTEIN	Tissue Culture				--
0	M-COUMARIC-ACID	Fruit Juice				--
0	M-COUMARIC-ACID	Fruit				--
1	M-HYDROXYBENZOIC-ACID	Fruit				--
1	M-HYDROXYBENZOIC-ACID	Fruit Juice				--
65	MAGNESIUM	Fruit	312.0	3900.0	0.8197346940018424	--
15	MALIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	MALVIDIN	Fruit				--
0	MALVIDIN-3,5-DIGLUCOSIDE	Fruit				--
0	MALVIDIN-3-O-ARABINOSIDE	Fruit				--
0	MALVIDIN-3-O-ARABINOSIDE	Leaf	81.0	162.0		--
0	MALVIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	MALVIDIN-3-O-GALACTOSIDE	Fruit				--
0	MALVIDIN-3-O-GALACTOSIDE	Leaf	127.0	254.0		--
0	MALVIDIN-3-O-GLUCOSIDE	Leaf	335.0	370.0		--
0	MALVIDIN-GLYCOSIDE	Plant				--
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	--
1	MELILOTIC-ACID	Leaf				--
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)
1	MERCURY	Fruit		0.001	-0.7865389313824043	ACTA AGRIC SCAND SUPPL 22: 1980
2	MOLYBDENUM	Fruit		0.1	-0.46519775248328327	ACTA AGRIC SCAND SUPPL 22: 1980
2	MONOTROPEIN	Fruit				--
2	MONOTROPEIN	Stem				--
2	MONOTROPEIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	MONOTROPEOSIDE	Fruit				--
0	MONOTROPEOSIDE	Leaf				--
1	MYRTILLIN	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	MYRTINE	Plant		10.0		--
0	MYRTINE	Shoot		17.5		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NEOCLOROGENIC-ACID	Fruit		10.0		--
0	NEOCLOROGENIC-ACID	Leaf		140.0		--
0	NEOMYRTILLIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NEOMYRTILLIN	Shoot				--
10	NEROL	Fruit Juice		0.002		--
39	NIACIN	Fruit	5.0	65.0	0.057508760745179625	--
2	NONACOSANE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NONAN-1-AL	Fruit Juice				--
4	O-COUMARIC-ACID	Fruit				--
4	O-COUMARIC-ACID	Fruit Juice				--
64	OLEANOLIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
25	OPCS	Fruit				--
9	OXALIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
25	P-COUMARIC-ACID	Fruit				--
25	P-COUMARIC-ACID	Leaf				--
25	P-COUMARIC-ACID	Fruit Juice				--
8	P-CRESOL	Fruit Juice		0.001		--
0	P-DIMETHYL-ALPHA-STYRENE	Fruit Juice				--
13	P-HYDROXY-BENZOIC-ACID	Fruit				--
0	PAEONIDIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PAEONIDIN-3-O-GALACTOSIDE	Fruit				--
0	PARACOUMARIC-ACID	Fruit				--
24	PECTIN	Fruit	4000.0	50000.0	-0.03661673030520101	--
0	PENTAN-1-OIC-ACID	Fruit Juice				--
0	PENTAN-1-OL	Fruit Juice		0.05	0.9999999999999999	--
0	PENTYL-FURAN	Fruit Juice				--
3	PEONIDIN	Leaf				--
0	PEONIDIN-3-O-ARABINOSIDE	Leaf	22.0	44.0		--
0	PEONIDIN-3-O-ARABINOSIDE	Fruit				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
0	PEONIDIN-3-O-GALACTOSIDE	Leaf	34.0	68.0		--
0	PEONIDIN-3-O-GALACTOSIDE	Fruit				--
0	PEONIDIN-3-O-GLUCOSIDE	Leaf	131.0	262.0		--
3	PETUNIDIN	Fruit				--
0	PETUNIDIN-3-O-ARABINOSIDE	Leaf	108.0	216.0		--
0	PETUNIDIN-3-O-ARABINOSIDE	Fruit				--
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
0	PETUNIDIN-3-O-GALACTOSIDE	Leaf	189.0	378.0		--
0	PETUNIDIN-3-O-GALACTOSIDE	Fruit				--
0	PETUNIDIN-3-O-GLUCOSIDE	Leaf	367.0	734.0		--
0	PETUNIDIN-GLYCOSIDE	Plant				--
26	PHENOL	Fruit Juice		0.03		--
2	PHENYL-ACETALDEHYDE	Fruit Juice		0.003		--
4	PHOSPHORUS	Fruit	856.0	10700.0	2.2731902006060767	--
5	PHYLLOQUINONE	Fruit		0.04	-0.22673532125634782	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	POTASSIUM	Fruit	1338.0	16730.0	-0.10497458816336862	--
0	PROCYANIDIN-A-1	Leaf				--
1	PROCYANIDIN-B-1	Fruit				--
1	PROCYANIDIN-B-1	Leaf				--
1	PROCYANIDIN-B-2	Leaf				--
1	PROCYANIDIN-B-2	Fruit				--
2	PROCYANIDIN-B-3	Fruit				--
4	PROCYANIDIN-B-4	Fruit				--
4	PROCYANIDIN-B-4	Leaf				--
0	PROCYANIDIN-C-1	Leaf				--
0	PROTEIN	Fruit	10320.0	129000.0	0.26142555134441664	--
43	PROTOCATECHUIC-ACID	Leaf				--
43	PROTOCATECHUIC-ACID	Fruit				--
43	PROTOCATECHUIC-ACID	Fruit Juice				--
176	QUERCETIN	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.
0	QUERCETIN-3-0-GALACTOSIDE	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	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	QUERCETIN-3-GLUCOSYL-GLUCOSIDE	Leaf				--
0	QUERCETIN-3-GLUCURONIDE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
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.
44	QUERCITRIN	Leaf				--
44	QUERCITRIN	Fruit				--
44	QUERCITRIN	Fruit Juice				--
1	QUINIC-ACID	Leaf	20000.0	50000.0	0.7547340705685329	--
0	RESINIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Fruit	0.2	2.6	-0.5159915584690182	--
0	RUBIDIUM	Fruit	5.0	60.0	3.0850078278809683	ACTA AGRIC SCAND SUPPL 22: 1980
87	RUTIN	Leaf				--
34	SALICYLIC-ACID	Leaf				--
0	SALICYLIC-ACID-METHYL-ESTER	Fruit Juice		0.001		--
60	SELENIUM	Fruit	0.2	2.8	0.30814666605054625	--
4	SILICON	Fruit				--
9	SINAPIC-ACID	Leaf				--
1	SODIUM	Fruit	4.0	50.0	-0.17920934261084967	--
7	SUCCINIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	SUCROSE	Fruit				--
0	SUGARS	Fruit	12000.0	150000.0	-0.26503678076002984	--
14	SULFUR	Fruit	130.0	1075.0	-0.2363356329259065	ACTA AGRIC SCAND SUPPL 22: 1980

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	SYRINGIC-ACID	Leaf				--
6	SYRINGIC-ACID	Fruit Juice				--
6	SYRINGIC-ACID	Fruit				--
35	TANNIN	Leaf	60000.0	200000.0	1.0922402514317946	--
35	TANNIN	Fruit	50000.0	120000.0	0.2460348882910567	--
31	THIAMIN	Fruit	7.0	8.0	0.3414272755878574	--
0	THIAMINE	Fruit	0.6	7.8	2.0731663991191227	--
4	TIN	Fruit	4.0	50.0	-0.1811041243657825	--
4	TRANS-2-HEXENAL	Fruit				--
7	TRANS-CINNAMALDEHYDE	Fruit Juice				--
0	TRANS-CINNAMYL-ALCOHOL	Fruit Juice				--
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.
24	VANILLIC-ACID	Leaf				--
24	VANILLIC-ACID	Fruit				--
24	VANILLIC-ACID	Fruit Juice				--
28	VANILLIN	Fruit Juice		0.015		--
0	WATER	Fruit		920000.0	0.6497106840979096	--
5	ZEAXANTHIN	Tissue Culture				--
77	ZINC	Fruit	1.0	8.7	-0.6499015135402889	--