

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium corymbosum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
176	QUERCETIN	Plant				--
112	ASCORBIC-ACID	Fruit	125.0	878.0	-0.2298976058573053	--
102	CAFFEIC-ACID	Plant				--
89	URSOLIC-ACID	Plant				--
87	RUTIN	Plant				--
77	ZINC	Fruit	1.0	7.0	-0.7010475051378668	--
77	CHLOROGENIC-ACID	Fruit		3000.0	1.514574437694523	--
76	EUGENOL	Fruit		0.02	-0.7071064865585788	--
71	THYMOL	Fruit				--
68	RESVERATROL	Fruit				ARS News Notes, April 7, 1999. Anticancer Agent Confirmed in Berries; ARS Natural Products Utilization Research Unit, Oxford, Miss.
67	1,8-CINEOLE	Fruit				--
65	MAGNESIUM	Fruit	48.0	332.0	-0.8324566060062714	--
64	OLEANOLIC-ACID	Plant				--
62	GALLIC-ACID	Plant				--
61	FERULIC-ACID	Plant				--
60	LIMONENE	Fruit				--
57	ROSMARINIC-ACID	Plant				--
53	BETA-CAROTENE	Fruit	0.6	3.9	-0.14326199939781478	--
51	ELLAGIC-ACID	Plant				--
47	BETA-SITOSTEROL	Plant				--
44	QUERCITRIN	Plant				--
44	SCOPOLETIN	Plant				--
39	NIACIN	Fruit	3.4	24.0	-0.49059008618146793	--
35	GERANIOL	Fruit	0.01	0.03	-0.6117485494795332	--
34	MYRICETIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
32	ALPHA-TOCOPHEROL	Fruit	18.0	116.0	0.6638919110782403	--
31	MYRISTICIN	Fruit				--
31	CARYOPHYLLENE	Fruit				--
31	THIAMIN	Fruit	0.5	3.1	-0.2857986533698326	--
30	HYPEROSIDE	Plant				--
30	ESCULETIN	Plant				--
30	(+)-CATECHIN	Plant				--
29	TRYPTOPHAN	Fruit	30.0	195.0	-0.9198848288139797	--
28	ALPHA-PINENE	Fruit				--
28	PULEGONE	Plant				--
28	VANILLIN	Fruit	0.01	0.05	-1.0	--
28	CALCIUM	Fruit	58.0	400.0	-0.7975739415091307	--
26	PHENOL	Fruit	0.01	0.06	-0.9999999999999999	--
25	P-COUMARIC-ACID	Plant				--
24	BENZALDEHYDE	Fruit Juice				--
24	VANILLIC-ACID	Plant				--
23	ALPHA-TERPINEOL	Fruit	0.01	0.03	-0.4084856837120716	--
22	ISOQUERCITRIN	Leaf				--
22	MYRCENE	Fruit				--
17	FARNESOL	Fruit		0.04	-0.728783349747631	--
16	ISOEUGENOL	Fruit				--
16	ACETIC-ACID	Fruit Juice		0.7	0.9999999999999999	--
15	RIBOFLAVIN	Fruit	0.5	3.4	-0.34465824343779955	--
15	FOLACIN	Fruit	0.05	0.5	-0.6321635035861631	--
15	METHIONINE	Fruit	110.0	715.0	-0.2998780173286338	--
15	FIBER	Fruit	12770.0	86000.0	-0.5253890966179366	--
15	CITRONELLOL	Fruit	0.01	0.03	-0.5732639555341512	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
14	POTASSIUM	Fruit	879.0	5859.0	-1.0667713668797525	--
14	MANGANESE	Fruit	3.0	20.0	-0.271660098949806	--
14	ARGININE	Fruit	340.0	2210.0	-0.5600851423126632	--
13	BETA-IONONE	Plant				--
13	P-HYDROXY-BENZOIC-ACID	Plant				--
12	COPPER	Fruit	0.5	4.0	-0.6863742487163819	--
12	GLYCINE	Fruit	280.0	1819.0	-0.6907315054332721	--
11	PANTOTHENIC-ACID	Fruit	0.9	6.0	-0.7720986391775634	--
10	NEROL	Fruit	0.02	0.08	-0.62010617027388	--
9	DELPHINIDIN	Fruit				--
9	BENZYL-ALCOHOL	Fruit Juice	0.01	0.08		--
8	TYROSINE	Fruit	80.0	520.0	-0.7867823163663892	--
8	FRUCTOSE	Fruit				--
8	P-CRESOL	Plant				--
8	GLUTAMIC-ACID	Fruit	830.0	5393.0	-0.6104836030782232	--
8	PHLOROGLUCINOL	Plant				--
7	TRANS-CINNAMALDEHYDE	Fruit				--
7	ALPHA-CAROTENE	Fruit				--
7	CYANIDIN	Fruit				--
7	HISTIDINE	Fruit	100.0	715.0	-0.6994440757723944	--
7	GLUCOSE	Fruit				--
7	PHENYLALANINE	Fruit	240.0	1560.0	-0.6123882587603068	--
6	IRON	Fruit	2.0	11.0	-0.4838541474887695	--
6	MALVIDIN	Fruit				--
5	CYANIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	PHYLLOQUINONE	Fruit		30.0	4.471663819829345	Shapiro, D. K., Kudinov, M. A., Narizhnaya, T. I., Kononovich, T. V., Starkova, N. Y. 1984. Biochemical Evaluation of Blueberries Grown in the BeloRussian Polesie. Rastitel'nye Resursy, 203:396-400.
4	BORON	Fruit	0.1	13.0	-0.5421662869530862	--
4	THREONINE	Fruit	180.0	1170.0	-0.7680735360913586	--
4	ORIENTIN	Plant				--
4	PHOSPHORUS	Fruit	96.0	675.0	-0.7718011780282851	--
4	LYSINE	Fruit	120.0	780.0	-0.8636063212741109	--
3	GAMMA-DECALACTONE	Plant				--
3	PETUNIDIN	Fruit				--
3	ISOLEUCINE	Fruit	210.0	1365.0	-0.6826256186359426	--
3	PEONIDIN	Fruit				--
3	ALPHA-CEDRENE	Plant				--
3	ALANINE	Fruit	280.0	1820.0	-0.7418405731363005	--
3	ASPARTIC-ACID	Fruit	520.0	3379.0	-0.8906723270007303	--
3	VALINE	Fruit	280.0	1820.0	-0.5432605987582758	--
2	CYSTINE	Fruit	70.0	455.0	-0.6011503786038777	--
2	QUERCETIN-3-O-BETA-D-GLUCOSIDE	Plant				--
2	BETA-CRYPTOXANTHIN	Fruit				--
2	PIPERONAL	Plant				--
2	MALVIN	Fruit				--
2	LEUCINE	Fruit	400.0	2600.0	-0.5317150065026318	--
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	ISOVALERIC-ACID-ETHYL-ESTER	Plant				--
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--

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1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	MALVIDIN-3-O-ALPHA-L-GALACTOSIDE	Fruit				--
1	SODIUM	Fruit	56.0	414.0	-0.1446916314111752	--
1	4-HYDROXYCINNAMIC-ACID	Plant				--
1	SERINE	Fruit	200.0	1300.0	-0.8272002402328085	--
1	CAPROIC-ACID	Fruit Juice		0.05	1.000000000000001	--