

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium corymbosum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
15	FIBER	Fruit	12770.0	86000.0	-0.5253890966179366	--
14	POTASSIUM	Fruit	879.0	5859.0	-1.0667713668797525	--
8	GLUTAMIC-ACID	Fruit	830.0	5393.0	-0.6104836030782232	--
3	ASPARTIC-ACID	Fruit	520.0	3379.0	-0.8906723270007303	--
77	CHLOROGENIC-ACID	Fruit		3000.0	1.514574437694523	--
2	LEUCINE	Fruit	400.0	2600.0	-0.5317150065026318	--
14	ARGININE	Fruit	340.0	2210.0	-0.5600851423126632	--
3	VALINE	Fruit	280.0	1820.0	-0.5432605987582758	--
3	ALANINE	Fruit	280.0	1820.0	-0.7418405731363005	--
12	GLYCINE	Fruit	280.0	1819.0	-0.6907315054332721	--
7	PHENYLALANINE	Fruit	240.0	1560.0	-0.6123882587603068	--
3	ISOLEUCINE	Fruit	210.0	1365.0	-0.6826256186359426	--
1	SERINE	Fruit	200.0	1300.0	-0.8272002402328085	--
4	THREONINE	Fruit	180.0	1170.0	-0.7680735360913586	--
112	ASCORBIC-ACID	Fruit	125.0	878.0	-0.2298976058573053	--
4	LYSINE	Fruit	120.0	780.0	-0.8636063212741109	--
7	HISTIDINE	Fruit	100.0	715.0	-0.6994440757723944	--
15	METHIONINE	Fruit	110.0	715.0	-0.2998780173286338	--
4	PHOSPHORUS	Fruit	96.0	675.0	-0.7718011780282851	--
8	TYROSINE	Fruit	80.0	520.0	-0.7867823163663892	--
2	CYSTINE	Fruit	70.0	455.0	-0.6011503786038777	--
1	SODIUM	Fruit	56.0	414.0	-0.1446916314111752	--
28	CALCIUM	Fruit	58.0	400.0	-0.7975739415091307	--
65	MAGNESIUM	Fruit	48.0	332.0	-0.8324566060062714	--
29	TRYPTOPHAN	Fruit	30.0	195.0	-0.9198848288139797	--
32	ALPHA-TOCOPHEROL	Fruit	18.0	116.0	0.6638919110782403	--

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.
39	NIACIN	Fruit	3.4	24.0	-0.49059008618146793	--
14	MANGANESE	Fruit	3.0	20.0	-0.271660098949806	--
4	BORON	Fruit	0.1	13.0	-0.5421662869530862	--
6	IRON	Fruit	2.0	11.0	-0.4838541474887695	--
77	ZINC	Fruit	1.0	7.0	-0.7010475051378668	--
11	PANTOTHENIC-ACID	Fruit	0.9	6.0	-0.7720986391775634	--
12	COPPER	Fruit	0.5	4.0	-0.6863742487163819	--
53	BETA-CAROTENE	Fruit	0.6	3.9	-0.14326199939781478	--
15	RIBOFLAVIN	Fruit	0.5	3.4	-0.34465824343779955	--
31	THIAMIN	Fruit	0.5	3.1	-0.2857986533698326	--
16	ACETIC-ACID	Fruit Juice		0.7	0.9999999999999999	--
15	FOLACIN	Fruit	0.05	0.5	-0.6321635035861631	--
9	BENZYL-ALCOHOL	Fruit Juice	0.01	0.08		--
10	NEROL	Fruit	0.02	0.08	-0.62010617027388	--
26	PHENOL	Fruit	0.01	0.06	-0.9999999999999999	--
28	VANILLIN	Fruit	0.01	0.05	-1.0	--
1	CAPROIC-ACID	Fruit Juice		0.05	1.0000000000000001	--
17	FARNESOL	Fruit		0.04	-0.728783349747631	--
15	CITRONELLOL	Fruit	0.01	0.03	-0.5732639555341512	--
35	GERANIOL	Fruit	0.01	0.03	-0.6117485494795332	--
23	ALPHA-TERPINEOL	Fruit	0.01	0.03	-0.4084856837120716	--
76	EUGENOL	Fruit		0.02	-0.7071064865585788	--
31	CARYOPHYLENE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
30	HYPEROSIDE	Plant				--
8	P-CRESOL	Plant				--
61	FERULIC-ACID	Plant				--
2	PIPERONAL	Plant				--
2	MALVIN	Fruit				--
24	BENZALDEHYDE	Fruit Juice				--
25	P-COUMARIC-ACID	Plant				--
1	4-HYDROXYCINNAMIC-ACID	Plant				--
6	MALVIDIN	Fruit				--
4	ORIENTIN	Plant				--
67	1,8-CINEOLE	Fruit				--
24	VANILLIC-ACID	Plant				--
44	SCOPOLETIN	Plant				--
64	OLEANOLIC-ACID	Plant				--
30	ESCULETIN	Plant				--
30	(+)-CATECHIN	Plant				--
8	PHLOROGLUCINOL	Plant				--
7	GLUCOSE	Fruit				--
87	RUTIN	Plant				--
51	ELLAGIC-ACID	Plant				--
102	CAFFEIC-ACID	Plant				--
89	URSOLIC-ACID	Plant				--
57	ROSMARINIC-ACID	Plant				--
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	ISOVALERIC-ACID-ETHYL-ESTER	Plant				--
3	GAMMA-DECALACTONE	Plant				--
31	MYRISTICIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	DELPHINIDIN	Fruit				--
68	RESVERATROL	Fruit				ARS News Notes, April 7, 1999. Anticancer Agent Confirmed in Berries; ARS Natural Products Utilization Research Unit, Oxford, Miss.
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
47	BETA-SITOSTEROL	Plant				--
22	ISOQUERCITRIN	Leaf				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
62	GALLIC-ACID	Plant				--
28	ALPHA-PINENE	Fruit				--
44	QUERCITRIN	Plant				--
34	MYRICETIN	Plant				--
1	MALVIDIN-3-O-ALPHA-L-GALACTOSIDE	Fruit				--
3	PETUNIDIN	Fruit				--
7	TRANS-CINNAMALDEHYDE	Fruit				--
13	BETA-IONONE	Plant				--
3	PEONIDIN	Fruit				--
8	FRUCTOSE	Fruit				--
3	ALPHA-CEDRENE	Plant				--
2	QUERCETIN-3-O-BETA-D-GLUCOSIDE	Plant				--
22	MYRCENE	Fruit				--
5	CYANIN	Fruit				--
28	PULEGONE	Plant				--
71	THYMOL	Fruit				--
16	ISOEUGENOL	Fruit				--
2	BETA-CRYPTOXANTHIN	Fruit				--
7	ALPHA-CAROTENE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
176	QUERCETIN	Plant				--
7	CYANIDIN	Fruit				--
60	LIMONENE	Fruit				--
13	P-HYDROXY-BENZOIC-ACID	Plant				--