

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	--
2	LEUCINE	Fruit	400.0	2600.0	-0.5317150065026318	--
14	ARGININE	Fruit	340.0	2210.0	-0.5600851423126632	--
3	ALANINE	Fruit	280.0	1820.0	-0.7418405731363005	--
12	GLYCINE	Fruit	280.0	1819.0	-0.6907315054332721	--
3	VALINE	Fruit	280.0	1820.0	-0.5432605987582758	--
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	--
15	METHIONINE	Fruit	110.0	715.0	-0.2998780173286338	--
7	HISTIDINE	Fruit	100.0	715.0	-0.6994440757723944	--
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	--
28	CALCIUM	Fruit	58.0	400.0	-0.7975739415091307	--
1	SODIUM	Fruit	56.0	414.0	-0.1446916314111752	--
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	--
39	NIACIN	Fruit	3.4	24.0	-0.49059008618146793	--
14	MANGANESE	Fruit	3.0	20.0	-0.271660098949806	--

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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	--
53	BETA-CAROTENE	Fruit	0.6	3.9	-0.14326199939781478	--
12	COPPER	Fruit	0.5	4.0	-0.6863742487163819	--
31	THIAMIN	Fruit	0.5	3.1	-0.2857986533698326	--
15	RIBOFLAVIN	Fruit	0.5	3.4	-0.34465824343779955	--
4	BORON	Fruit	0.1	13.0	-0.5421662869530862	--
15	FOLACIN	Fruit	0.05	0.5	-0.6321635035861631	--
10	NEROL	Fruit	0.02	0.08	-0.62010617027388	--
9	BENZYL-ALCOHOL	Fruit Juice	0.01	0.08		--
15	CITRONELLOL	Fruit	0.01	0.03	-0.5732639555341512	--
28	VANILLIN	Fruit	0.01	0.05	-1.0	--
35	GERANIOL	Fruit	0.01	0.03	-0.6117485494795332	--
26	PHENOL	Fruit	0.01	0.06	-0.9999999999999999	--
23	ALPHA-TERPINEOL	Fruit	0.01	0.03	-0.4084856837120716	--
7	ALPHA-CAROTENE	Fruit				--
176	QUERCETIN	Plant				--
7	CYANIDIN	Fruit				--
60	LIMONENE	Fruit				--
13	P-HYDROXY-BENZOIC-ACID	Plant				--
31	CARYOPHYLLENE	Fruit				--
30	HYPEROSIDE	Plant				--
61	FERULIC-ACID	Plant				--
16	ACETIC-ACID	Fruit Juice		0.7	0.9999999999999999	--
2	PIPERONAL	Plant				--
8	P-CRESOL	Plant				--

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2	MALVIN	Fruit				--
24	BENZALDEHYDE	Fruit Juice				--
17	FARNESOL	Fruit		0.04	-0.728783349747631	--
1	4-HYDROXYCINNAMIC-ACID	Plant				--
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.
25	P-COUMARIC-ACID	Plant				--
6	MALVIDIN	Fruit				--
77	CHLOROGENIC-ACID	Fruit		3000.0	1.514574437694523	--
76	EUGENOL	Fruit		0.02	-0.7071064865585788	--
67	1,8-CINEOLE	Fruit				--
4	ORIENTIN	Plant				--
1	CAPROIC-ACID	Fruit Juice		0.05	1.000000000000001	--
24	VANILLIC-ACID	Plant				--
44	SCOPOLETIN	Plant				--
30	ESCULETIN	Plant				--
30	(+)-CATECHIN	Plant				--
8	PHLOROGLUCINOL	Plant				--
64	OLEANOLIC-ACID	Plant				--
7	GLUCOSE	Fruit				--
87	RUTIN	Plant				--
51	ELLAGIC-ACID	Plant				--
102	CAFFEIC-ACID	Plant				--
89	URSOLIC-ACID	Plant				--
57	ROSMARINIC-ACID	Plant				--

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1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	ISOVALERIC-ACID-ETHYL-ESTER	Plant				--
3	GAMMA-DECALACTONE	Plant				--
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				--
31	MYRISTICIN	Fruit				--
9	DELPHINIDIN	Fruit				--
22	ISOQUERCITRIN	Leaf				--
47	BETA-SITOSTEROL	Plant				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
62	GALLIC-ACID	Plant				--
28	ALPHA-PINENE	Fruit				--
44	QUERCITRIN	Plant				--
3	PETUNIDIN	Fruit				--
34	MYRICETIN	Plant				--
1	MALVIDIN-3-O-ALPHA-L-GALACTOSIDE	Fruit				--
13	BETA-IONONE	Plant				--
7	TRANS-CINNAMALDEHYDE	Fruit				--
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				--

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16	ISOEUGENOL	Fruit				--
2	BETA-CRYPTOXANTHIN	Fruit				--
71	THYMOL	Fruit				--