

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium corymbosum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
30	(+)-CATECHIN	Plant				--
67	1,8-CINEOLE	Fruit				--
1	4-HYDROXYCINNAMIC-ACID	Plant				--
16	ACETIC-ACID	Fruit Juice		0.7	0.9999999999999999	--
3	ALANINE	Fruit	280.0	1820.0	-0.7418405731363005	--
7	ALPHA-CAROTENE	Fruit				--
3	ALPHA-CEDRENE	Plant				--
28	ALPHA-PINENE	Fruit				--
23	ALPHA-TERPINEOL	Fruit	0.01	0.03	-0.4084856837120716	--
32	ALPHA-TOCOPHEROL	Fruit	18.0	116.0	0.6638919110782403	--
14	ARGININE	Fruit	340.0	2210.0	-0.5600851423126632	--
112	ASCORBIC-ACID	Fruit	125.0	878.0	-0.2298976058573053	--
3	ASPARTIC-ACID	Fruit	520.0	3379.0	-0.8906723270007303	--
24	BENZALDEHYDE	Fruit Juice				--
9	BENZYL-ALCOHOL	Fruit Juice	0.01	0.08		--
53	BETA-CAROTENE	Fruit	0.6	3.9	-0.14326199939781478	--
2	BETA-CRYPTOXANTHIN	Fruit				--
13	BETA-IONONE	Plant				--
47	BETA-SITOSTEROL	Plant				--
4	BORON	Fruit	0.1	13.0	-0.5421662869530862	--
102	CAFFEIC-ACID	Plant				--
28	CALCIUM	Fruit	58.0	400.0	-0.7975739415091307	--
1	CAPROIC-ACID	Fruit Juice		0.05	1.0000000000000001	--
31	CARYOPHYLLENE	Fruit				--
77	CHLOROGENIC-ACID	Fruit		3000.0	1.514574437694523	--
15	CITRONELLOL	Fruit	0.01	0.03	-0.5732639555341512	--
12	COPPER	Fruit	0.5	4.0	-0.6863742487163819	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
7	CYANIDIN	Fruit				--
5	CYANIN	Fruit				--
2	CYSTINE	Fruit	70.0	455.0	-0.6011503786038777	--
9	DELPHINIDIN	Fruit				--
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
51	ELLAGIC-ACID	Plant				--
30	ESCULETIN	Plant				--
76	EUGENOL	Fruit		0.02	-0.7071064865585788	--
17	FARNESOL	Fruit		0.04	-0.728783349747631	--
61	FERULIC-ACID	Plant				--
15	FIBER	Fruit	12770.0	86000.0	-0.5253890966179366	--
15	FOLACIN	Fruit	0.05	0.5	-0.6321635035861631	--
8	FRUCTOSE	Fruit				--
62	GALLIC-ACID	Plant				--
3	GAMMA-DECALACTONE	Plant				--
35	GERANIOL	Fruit	0.01	0.03	-0.6117485494795332	--
7	GLUCOSE	Fruit				--
8	GLUTAMIC-ACID	Fruit	830.0	5393.0	-0.6104836030782232	--
12	GLYCINE	Fruit	280.0	1819.0	-0.6907315054332721	--
7	HISTIDINE	Fruit	100.0	715.0	-0.6994440757723944	--
30	HYPEROSIDE	Plant				--
6	IRON	Fruit	2.0	11.0	-0.4838541474887695	--
16	ISOEUGENOL	Fruit				--
3	ISOLEUCINE	Fruit	210.0	1365.0	-0.6826256186359426	--
22	ISOQUERCITRIN	Leaf				--
1	ISOVALERIC-ACID-ETHYL-ESTER	Plant				--
2	LEUCINE	Fruit	400.0	2600.0	-0.5317150065026318	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
60	LIMONENE	Fruit				--
4	LYSINE	Fruit	120.0	780.0	-0.8636063212741109	--
65	MAGNESIUM	Fruit	48.0	332.0	-0.8324566060062714	--
6	MALVIDIN	Fruit				--
1	MALVIDIN-3-O-ALPHA-L-GALACTOSIDE	Fruit				--
2	MALVIN	Fruit				--
14	MANGANESE	Fruit	3.0	20.0	-0.271660098949806	--
15	METHIONINE	Fruit	110.0	715.0	-0.2998780173286338	--
22	MYRCENE	Fruit				--
34	MYRICETIN	Plant				--
31	MYRISTICIN	Fruit				--
10	NEROL	Fruit	0.02	0.08	-0.62010617027388	--
39	NIACIN	Fruit	3.4	24.0	-0.49059008618146793	--
64	OLEANOLIC-ACID	Plant				--
4	ORIENTIN	Plant				--
25	P-COUMARIC-ACID	Plant				--
8	P-CRESOL	Plant				--
13	P-HYDROXY-BENZOIC-ACID	Plant				--
11	PANTOTHENIC-ACID	Fruit	0.9	6.0	-0.7720986391775634	--
3	PEONIDIN	Fruit				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
3	PETUNIDIN	Fruit				--
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
26	PHENOL	Fruit	0.01	0.06	-0.9999999999999999	--
7	PHENYLALANINE	Fruit	240.0	1560.0	-0.6123882587603068	--
8	PHLOROGLUCINOL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Fruit	96.0	675.0	-0.7718011780282851	--
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 Polessie. Rastitel'nye Resursy, 203:396-400.
2	PIPERONAL	Plant				--
14	POTASSIUM	Fruit	879.0	5859.0	-1.0667713668797525	--
28	PULEGONE	Plant				--
176	QUERCETIN	Plant				--
2	QUERCETIN-3-O-BETA-D-GLUCOSIDE	Plant				--
44	QUERCITRIN	Plant				--
68	RESVERATROL	Fruit				ARS News Notes, April 7, 1999. Anticancer Agent Confirmed in Berries; ARS Natural Products Utilization Research Unit, Oxford, Miss.
15	RIBOFLAVIN	Fruit	0.5	3.4	-0.34465824343779955	--
57	ROSMARINIC-ACID	Plant				--
87	RUTIN	Plant				--
44	SCOPOLETIN	Plant				--
1	SERINE	Fruit	200.0	1300.0	-0.8272002402328085	--
1	SODIUM	Fruit	56.0	414.0	-0.1446916314111752	--
31	THIAMIN	Fruit	0.5	3.1	-0.2857986533698326	--
4	THREONINE	Fruit	180.0	1170.0	-0.7680735360913586	--
71	THYMOL	Fruit				--
7	TRANS-CINNAMALDEHYDE	Fruit				--
29	TRYPTOPHAN	Fruit	30.0	195.0	-0.9198848288139797	--
8	TYROSINE	Fruit	80.0	520.0	-0.7867823163663892	--
89	URSOLIC-ACID	Plant				--

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3	VALINE	Fruit	280.0	1820.0	-0.5432605987582758	--
24	VANILLIC-ACID	Plant				--
28	VANILLIN	Fruit	0.01	0.05	-1.0	--
77	ZINC	Fruit	1.0	7.0	-0.7010475051378668	--