

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium corymbosum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
8	P-CRESOL	Plant				--
61	FERULIC-ACID	Plant				--
2	MALVIN	Fruit				--
24	VANILLIC-ACID	Plant				--
24	BENZALDEHYDE	Fruit Juice				--
44	SCOPOLETIN	Plant				--
1	4-HYDROXYCINNAMIC-ACID	Plant				--
8	PHLOROGLUCINOL	Plant				--
25	P-COUMARIC-ACID	Plant				--
6	MALVIDIN	Fruit				--
87	RUTIN	Plant				--
67	1,8-CINEOLE	Fruit				--
4	ORIENTIN	Plant				--
89	URSOLIC-ACID	Plant				--
57	ROSMARINIC-ACID	Plant				--
30	(+)-CATECHIN	Plant				--
64	OLEANOLIC-ACID	Plant				--
30	ESCULETIN	Plant				--
7	GLUCOSE	Fruit				--
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
51	ELLAGIC-ACID	Plant				--
68	RESVERATROL	Fruit				ARS News Notes, April 7, 1999. Anticancer Agent Confirmed in Berries; ARS Natural Products Utilization Research Unit, Oxford, Miss.
102	CAFFEIC-ACID	Plant				--
44	QUERCITRIN	Plant				--
3	PETUNIDIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	MALVIDIN-3-O-ALPHA-L-GALACTOSIDE	Fruit				--
1	ISOVALERIC-ACID-ETHYL-ESTER	Plant				--
7	TRANS-CINNAMALDEHYDE	Fruit				--
3	GAMMA-DECALACTONE	Plant				--
2	QUERCETIN-3-O-BETA-D-GLUCOSIDE	Plant				--
31	MYRISTICIN	Fruit				--
9	DELPHINIDIN	Fruit				--
28	PULEGONE	Plant				--
22	ISOQUERCITRIN	Leaf				--
47	BETA-SITOSTEROL	Plant				--
71	THYMOL	Fruit				--
62	GALLIC-ACID	Plant				--
28	ALPHA-PINENE	Fruit				--
176	QUERCETIN	Plant				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
34	MYRICETIN	Plant				--
60	LIMONENE	Fruit				--
13	BETA-IONONE	Plant				--
8	FRUCTOSE	Fruit				--
3	ALPHA-CEDRENE	Plant				--
3	PEONIDIN	Fruit				--
22	MYRCENE	Fruit				--
5	CYANIN	Fruit				--
31	CARYOPHYLLENE	Fruit				--
16	ISOEUGENOL	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
2	BETA-CRYPTOXANTHIN	Fruit				--
7	ALPHA-CAROTENE	Fruit				--
2	PIPERONAL	Plant				--
7	CYANIDIN	Fruit				--
13	P-HYDROXY-BENZOIC-ACID	Plant				--
30	HYPEROSIDE	Plant				--
9	BENZYL-ALCOHOL	Fruit Juice	0.01	0.08		--
14	POTASSIUM	Fruit	879.0	5859.0	-1.0667713668797525	--
28	VANILLIN	Fruit	0.01	0.05	-1.0	--
26	PHENOL	Fruit	0.01	0.06	-0.9999999999999999	--
29	TRYPTOPHAN	Fruit	30.0	195.0	-0.9198848288139797	--
3	ASPARTIC-ACID	Fruit	520.0	3379.0	-0.8906723270007303	--
4	LYSINE	Fruit	120.0	780.0	-0.8636063212741109	--
65	MAGNESIUM	Fruit	48.0	332.0	-0.8324566060062714	--
1	SERINE	Fruit	200.0	1300.0	-0.8272002402328085	--
28	CALCIUM	Fruit	58.0	400.0	-0.7975739415091307	--
8	TYROSINE	Fruit	80.0	520.0	-0.7867823163663892	--
11	PANTOTHENIC-ACID	Fruit	0.9	6.0	-0.7720986391775634	--
4	PHOSPHORUS	Fruit	96.0	675.0	-0.7718011780282851	--
4	THREONINE	Fruit	180.0	1170.0	-0.7680735360913586	--
3	ALANINE	Fruit	280.0	1820.0	-0.7418405731363005	--
17	FARNESOL	Fruit		0.04	-0.728783349747631	--
76	EUGENOL	Fruit		0.02	-0.7071064865585788	--
77	ZINC	Fruit	1.0	7.0	-0.7010475051378668	--
7	HISTIDINE	Fruit	100.0	715.0	-0.6994440757723944	--
12	GLYCINE	Fruit	280.0	1819.0	-0.6907315054332721	--
12	COPPER	Fruit	0.5	4.0	-0.6863742487163819	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	ISOLEUCINE	Fruit	210.0	1365.0	-0.6826256186359426	--
15	FOLACIN	Fruit	0.05	0.5	-0.6321635035861631	--
10	NEROL	Fruit	0.02	0.08	-0.62010617027388	--
7	PHENYLALANINE	Fruit	240.0	1560.0	-0.6123882587603068	--
35	GERANIOL	Fruit	0.01	0.03	-0.6117485494795332	--
8	GLUTAMIC-ACID	Fruit	830.0	5393.0	-0.6104836030782232	--
2	CYSTINE	Fruit	70.0	455.0	-0.6011503786038777	--
15	CITRONELLOL	Fruit	0.01	0.03	-0.5732639555341512	--
14	ARGININE	Fruit	340.0	2210.0	-0.5600851423126632	--
3	VALINE	Fruit	280.0	1820.0	-0.5432605987582758	--
4	BORON	Fruit	0.1	13.0	-0.5421662869530862	--
2	LEUCINE	Fruit	400.0	2600.0	-0.5317150065026318	--
15	FIBER	Fruit	12770.0	86000.0	-0.5253890966179366	--
39	NIACIN	Fruit	3.4	24.0	-0.49059008618146793	--
6	IRON	Fruit	2.0	11.0	-0.4838541474887695	--
23	ALPHA-TERPINEOL	Fruit	0.01	0.03	-0.4084856837120716	--
15	RIBOFLAVIN	Fruit	0.5	3.4	-0.34465824343779955	--
15	METHIONINE	Fruit	110.0	715.0	-0.2998780173286338	--
31	THIAMIN	Fruit	0.5	3.1	-0.2857986533698326	--
14	MANGANESE	Fruit	3.0	20.0	-0.271660098949806	--
112	ASCORBIC-ACID	Fruit	125.0	878.0	-0.2298976058573053	--
1	SODIUM	Fruit	56.0	414.0	-0.1446916314111752	--
53	BETA-CAROTENE	Fruit	0.6	3.9	-0.14326199939781478	--
32	ALPHA-TOCOPHEROL	Fruit	18.0	116.0	0.6638919110782403	--
16	ACETIC-ACID	Fruit Juice		0.7	0.9999999999999999	--
1	CAPROIC-ACID	Fruit Juice		0.05	1.0000000000000001	--
77	CHLOROGENIC-ACID	Fruit		3000.0	1.514574437694523	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce 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 Polessie. Rastitel'nye Resursy, 203:396-400.