

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium corymbosum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	ZINC	Fruit	1.0	7.0	-0.7010475051378668	--
28	VANILLIN	Fruit	0.01	0.05	-1.0	--
24	VANILLIC-ACID	Plant				--
3	VALINE	Fruit	280.0	1820.0	-0.5432605987582758	--
89	URSOLIC-ACID	Plant				--
8	TYROSINE	Fruit	80.0	520.0	-0.7867823163663892	--
29	TRYPTOPHAN	Fruit	30.0	195.0	-0.9198848288139797	--
7	TRANS-CINNAMALDEHYDE	Fruit				--
71	THYMOL	Fruit				--
4	THREONINE	Fruit	180.0	1170.0	-0.7680735360913586	--
31	THIAMIN	Fruit	0.5	3.1	-0.2857986533698326	--
1	SODIUM	Fruit	56.0	414.0	-0.1446916314111752	--
1	SERINE	Fruit	200.0	1300.0	-0.8272002402328085	--
44	SCOPOLETIN	Plant				--
87	RUTIN	Plant				--
57	ROSMARINIC-ACID	Plant				--
15	RIBOFLAVIN	Fruit	0.5	3.4	-0.34465824343779955	--
68	RESVERATROL	Fruit				ARS News Notes, April 7, 1999. Anticancer Agent Confirmed in Berries; ARS Natural Products Utilization Research Unit, Oxford, Miss.
44	QUERCITRIN	Plant				--
2	QUERCETIN-3-O-BETA-D-GLUCOSIDE	Plant				--
176	QUERCETIN	Plant				--
28	PULEGONE	Plant				--
14	POTASSIUM	Fruit	879.0	5859.0	-1.0667713668797525	--
2	PIPERONAL	Plant				--

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	PHOSPHORUS	Fruit	96.0	675.0	-0.7718011780282851	--
8	PHLOROGLUCINOL	Plant				--
7	PHENYLALANINE	Fruit	240.0	1560.0	-0.6123882587603068	--
26	PHENOL	Fruit	0.01	0.06	-0.9999999999999999	--
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
3	PETUNIDIN	Fruit				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
3	PEONIDIN	Fruit				--
11	PANTOTHENIC-ACID	Fruit	0.9	6.0	-0.7720986391775634	--
13	P-HYDROXY-BENZOIC-ACID	Plant				--
8	P-CRESOL	Plant				--
25	P-COUMARIC-ACID	Plant				--
4	ORIENTIN	Plant				--
64	OLEANOLIC-ACID	Plant				--
39	NIACIN	Fruit	3.4	24.0	-0.49059008618146793	--
10	NEROL	Fruit	0.02	0.08	-0.62010617027388	--
31	MYRISTICIN	Fruit				--
34	MYRICETIN	Plant				--
22	MYRCENE	Fruit				--
15	METHIONINE	Fruit	110.0	715.0	-0.2998780173286338	--
14	MANGANESE	Fruit	3.0	20.0	-0.271660098949806	--
2	MALVIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
1	MALVIDIN-3-O-ALPHA-L-GALACTOSIDE	Fruit				--
6	MALVIDIN	Fruit				--
65	MAGNESIUM	Fruit	48.0	332.0	-0.8324566060062714	--
4	LYSINE	Fruit	120.0	780.0	-0.8636063212741109	--
60	LIMONENE	Fruit				--
2	LEUCINE	Fruit	400.0	2600.0	-0.5317150065026318	--
1	ISOVALERIC-ACID-ETHYL-ESTER	Plant				--
22	ISOQUERCITRIN	Leaf				--
3	ISOLEUCINE	Fruit	210.0	1365.0	-0.6826256186359426	--
16	ISOEUGENOL	Fruit				--
6	IRON	Fruit	2.0	11.0	-0.4838541474887695	--
30	HYPEROSIDE	Plant				--
7	HISTIDINE	Fruit	100.0	715.0	-0.6994440757723944	--
12	GLYCINE	Fruit	280.0	1819.0	-0.6907315054332721	--
8	GLUTAMIC-ACID	Fruit	830.0	5393.0	-0.6104836030782232	--
7	GLUCOSE	Fruit				--
35	GERANIOL	Fruit	0.01	0.03	-0.6117485494795332	--
3	GAMMA-DECALACTONE	Plant				--
62	GALLIC-ACID	Plant				--
8	FRUCTOSE	Fruit				--
15	FOLACIN	Fruit	0.05	0.5	-0.6321635035861631	--
15	FIBER	Fruit	12770.0	86000.0	-0.5253890966179366	--
61	FERULIC-ACID	Plant				--
17	FARNESOL	Fruit		0.04	-0.728783349747631	--
76	EUGENOL	Fruit		0.02	-0.7071064865585788	--
30	ESCULETIN	Plant				--
51	ELLAGIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
9	DELPHINIDIN	Fruit				--
2	CYSTINE	Fruit	70.0	455.0	-0.6011503786038777	--
5	CYANIN	Fruit				--
7	CYANIDIN	Fruit				--
12	COPPER	Fruit	0.5	4.0	-0.6863742487163819	--
15	CITRONELLOL	Fruit	0.01	0.03	-0.5732639555341512	--
77	CHLOROGENIC-ACID	Fruit		3000.0	1.514574437694523	--
31	CARYOPHYLLENE	Fruit				--
1	CAPROIC-ACID	Fruit Juice		0.05	1.0000000000000001	--
28	CALCIUM	Fruit	58.0	400.0	-0.7975739415091307	--
102	CAFFEIC-ACID	Plant				--
4	BORON	Fruit	0.1	13.0	-0.5421662869530862	--
47	BETA-SITOSTEROL	Plant				--
13	BETA-IONONE	Plant				--
2	BETA-CRYPTOXANTHIN	Fruit				--
53	BETA-CAROTENE	Fruit	0.6	3.9	-0.14326199939781478	--
9	BENZYL-ALCOHOL	Fruit Juice	0.01	0.08		--
24	BENZALDEHYDE	Fruit Juice				--
3	ASPARTIC-ACID	Fruit	520.0	3379.0	-0.8906723270007303	--
112	ASCORBIC-ACID	Fruit	125.0	878.0	-0.2298976058573053	--
14	ARGININE	Fruit	340.0	2210.0	-0.5600851423126632	--
32	ALPHA-TOCOPHEROL	Fruit	18.0	116.0	0.6638919110782403	--
23	ALPHA-TERPINEOL	Fruit	0.01	0.03	-0.4084856837120716	--
28	ALPHA-PINENE	Fruit				--
3	ALPHA-CEDRENE	Plant				--
7	ALPHA-CAROTENE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	ALANINE	Fruit	280.0	1820.0	-0.7418405731363005	--
16	ACETIC-ACID	Fruit Juice		0.7	0.9999999999999999	--
1	4-HYDROXYCINNAMIC-ACID	Plant				--
67	1,8-CINEOLE	Fruit				--
30	(+)-CATECHIN	Plant				--