

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium corymbosum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Fruit	1.0	7.0	-0.7010475051378668	--
0	WATER	Fruit	843000.0	849000.0	0.3409960382384781	--
0	VIT-B-6	Fruit	0.3	2.5	-0.959188922167529	--
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	--
0	TRANS-CINNAMYL-ALCOHOL	Fruit		0.01		--
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				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROTocatechuic-acid-4-O-beta-D-glucoside	Fruit				--
0	PROTEIN	Fruit	6520.0	44720.0	-0.8683844970984902	--
0	PROLINE	Fruit	250.0	1624.0	-0.6543076627207944	--
0	PROanthocyanin	Fruit				--
14	POTASSIUM	Fruit	879.0	5859.0	-1.0667713668797525	--
2	PIPERONAL	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 Polessie. 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				--
0	PETUNIDIN-3-O-alpha-L-galactoside	Fruit				--
0	PETUNIDIN-3-O-alpha-L-arabinoside	Fruit				--
3	PETUNIDIN	Fruit				--
1	PEONIDIN-3-O-beta-D-glucoside	Fruit				--
0	PEONIDIN-3-O-alpha-L-galactoside	Fruit				--
0	PEONIDIN-3-O-alpha-L-arabinoside	Fruit				--
3	PEONIDIN	Fruit				--
0	PENTYL-FURAN	Fruit				--
0	PENTAN-1-OL	Fruit Juice		0.02	-0.9999999999999999	--
0	PENTAN-1-OIC-ACID	Fruit Juice				--
0	PENT-1-EN-3-OL	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	PANTOTHENIC-ACID	Fruit	0.9	6.0	-0.7720986391775634	--
13	P-HYDROXY-BENZOIC-ACID	Plant				--
0	P-DIMETHYL-ALPHA-STYRENE	Fruit				--
8	P-CRESOL	Plant				--
0	P-COUMARIC-ACID-O-BETA-D-GLUCOSIDE	Fruit				--
25	P-COUMARIC-ACID	Plant				--
4	ORIENTIN	Plant				--
64	OLEANOLIC-ACID	Plant				--
0	OCTAN-1-OL	Fruit Juice				--
0	NONAN-1-OL	Fruit Juice				--
39	NIACIN	Fruit	3.4	24.0	-0.49059008618146793	--
10	NEROL	Fruit	0.02	0.08	-0.62010617027388	--
0	NEOMYRTILLIN	Leaf				--
31	MYRISTICIN	Fruit				--
0	MYRICETIN-3-O-BETA-D-GLUCOSIDE	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				--
0	MALVIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	MALVIDIN-3-O-ALPHA-L-GALACTOSIDE	Fruit				--
0	MALVIDIN-3-O-ALPHA-L-ARABINOSIDE	Fruit				--
6	MALVIDIN	Fruit				--
0	MALVADIN-3-O-ALPHA-L-GALACTOSIDE	Fruit				--
65	MAGNESIUM	Fruit	48.0	332.0	-0.8324566060062714	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	LYSINE	Fruit	120.0	780.0	-0.8636063212741109	--
0	LINALOL	Fruit	0.01	0.05	-0.6396414731700739	--
60	LIMONENE	Fruit				--
2	LEUCINE	Fruit	400.0	2600.0	-0.5317150065026318	--
0	KILOCALORIES	Fruit	560.0	3638.0	-0.03425259264826275	--
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				--
0	HYDROXY-ISOCARVOMENTHOL	Fruit				--
0	HYDROXY-CITRONELLOL	Fruit	0.02	0.07		--
7	HISTIDINE	Fruit	100.0	715.0	-0.6994440757723944	--
0	HEXAN-1-AL	Fruit Juice				--
0	HEXAN-1-OL	Fruit Juice	0.04	0.4		--
0	HEX-TRANS-2-EN-1-OL	Fruit Juice	0.02	0.5	1.0	--
0	HEX-TRANS-2-1-OL	Fruit Juice		0.08		--
0	HEX-TRANS-2-1-AL	Fruit Juice	0.02	0.5		--
0	HEX-CIS-3-EN-1-AL	Fruit Juice	0.01	0.06		--
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				--
0	GALLIC-ACID-4-O-BETA-D-GLUCOSIDE	Fruit				--
62	GALLIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	FRUCTOSE	Fruit				--
15	FOLACIN	Fruit	0.05	0.5	-0.6321635035861631	--
15	FIBER	Fruit	12770.0	86000.0	-0.5253890966179366	--
0	FERULIC-ACID-O-BETA-D-GLUCOSIDE	Fruit				--
61	FERULIC-ACID	Plant				--
0	FAT	Fruit	3740.0	25090.0	-0.4496166879641399	--
0	FARNESOL-ACETATE	Fruit	0.01	0.07		--
17	FARNESOL	Fruit		0.04	-0.728783349747631	--
76	EUGENOL	Fruit		0.02	-0.7071064865585788	--
30	ESCULETIN	Plant				--
51	ELLAGIC-ACID	Plant				--
0	DELPHININ	Fruit				--
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
0	DELPHINIDIN-3-O-ALPHA-L-GALACTOSIDE	Fruit				--
0	DELPHINIDIN-3-O-ALPHA-L-ARABINOSIDE	Fruit				--
9	DELPHINIDIN	Fruit				--
2	CYSTINE	Fruit	70.0	455.0	-0.6011503786038777	--
5	CYANIN	Fruit				--
0	CYANIDIN-3-O-ALPHA-L-GALACTOSIDE	Fruit				--
0	CYANIDIN-3-O-ALPHA-L-ARABINOSIDE	Fruit				--
7	CYANIDIN	Fruit				--
12	COPPER	Fruit	0.5	4.0	-0.6863742487163819	--
15	CITRONELLOL	Fruit	0.01	0.03	-0.5732639555341512	--
0	CHRYSANTHEMIN	Leaf				--
77	CHLOROGENIC-ACID	Fruit		3000.0	1.514574437694523	--
31	CARYOPHYLLENE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	CARBOHYDRATES	Fruit	141300.0	918130.0	0.7232422837998722	--
1	CAPROIC-ACID	Fruit Juice		0.05	1.0000000000000001	--
28	CALCIUM	Fruit	58.0	400.0	-0.7975739415091307	--
0	CAFFEIC-ACID-4-O-BETA-D-GLUCOSIDE	Fruit				--
102	CAFFEIC-ACID	Plant				--
0	BUTYRIC-ACID-HEX-TRANS-2-ENYL-ESTER	Fruit Juice				--
0	BUTANOIC-ACID	Fruit Juice		0.01	-0.9999999999999999	--
0	BUTAN-2-OL	Fruit Juice		0.013	1.0	--
0	BUTAN-1-OL	Fruit Juice		0.016	0.9999999999999999	--
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	--
0	ASH	Fruit	2070.0	13845.0	-1.1088066718389031	--
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				--
3	ALANINE	Fruit	280.0	1820.0	-0.7418405731363005	--
0	ACETIC-ACID-HEXYL-ESTER	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
16	ACETIC-ACID	Fruit Juice		0.7	0.9999999999999999	--
0	4-VINYL-PHENOL	Fruit Juice		0.07		--
1	4-HYDROXYCINNAMIC-ACID	Plant				--
0	3-PHENYL-PROPAN-1-OL	Fruit				--
0	2-PHENYLETHANOL	Fruit	0.02	0.3		--
0	2-METHYL-BUTANOIC-ACID	Fruit Juice		0.05	-1.0	--
0	2-METHOXY-5-VINYL-PHENOL	Fruit				--
67	1,8-CINEOLE	Fruit				--
30	(+)-CATECHIN	Plant				--