

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Arctostaphylos uva-ursi*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	GALLO-TANNIN	Leaf	150000.0	200000.0		--
0	CATECHOL-TANNINS	Leaf	150000.0	200000.0	0.7071067811865474	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	CARBOHYDRATES	Leaf	94424.0	814000.0	1.6076237920004806	--
15	ARBUTIN	Plant	75000.0	107000.0	1.0838895819763519	--
35	TANNIN	Plant	60000.0	200000.0	1.69885594398259	--
0	HYDROQUINONE-GLYCOSIDES	Leaf	50000.0	180000.0		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	PROTEIN	Seed	25000.0	256000.0	0.1975154783020269	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Seed	20000.0	500000.0	1.235787477603246	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Leaf	12876.0	111000.0	-1.0060268066676232	--
35	TANNIN	Leaf	6960.0	70000.0	-0.49479364485602007	--
0	ASH	Seed	6000.0	33000.0	-0.44755855178079296	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Leaf	5800.0	50000.0	-1.2130822919513653	--
0	HYDROQUINONES	Leaf	5800.0	180000.0		--
89	URSOLIC-ACID	Leaf	4000.0	7500.0	-0.24659009656320915	--
0	FAT	Leaf	3016.0	26000.0	-0.6070120098026822	--
32	HYDROQUINONE	Leaf	2000.0	5000.0		--
28	CALCIUM	Leaf	1264.0	10900.0	-0.5149978063425779	--
14	POTASSIUM	Leaf	444.0	3830.0	-1.170802360553902	--
65	MAGNESIUM	Leaf	140.0	1210.0	-1.1258679955859505	--
15	ARBUTIN	Leaf	114.3	186000.0	1.9896414881258047	--
5	ALUMINUM	Leaf	83.0	719.0	-0.008939171802457953	--
4	PHOSPHORUS	Leaf	43.0	370.0	-0.8466077115965281	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Leaf	22.0	191.0	-0.4261977308148832	--
53	BETA-CAROTENE	Leaf	20.0	172.0	-0.3888883484362654	--
6	IRON	Leaf	12.0	105.0	-0.6544307006978738	--
1	SODIUM	Leaf	7.0	60.0	-0.636628488925615	--
14	MANGANESE	Leaf	2.0	16.5	-0.4324553198134763	--
39	NIACIN	Leaf	1.4	12.0	-1.0399962396702847	--
4	SILICON	Leaf	0.8	7.0	-0.3923715705100825	--
60	SELENIUM	Leaf	0.2	1.6	-0.2596115444281096	--
2	COBALT	Leaf	0.2	1.7	-0.28878110731780054	--
0	THIAMINE	Leaf	0.1	1.0	-1.0237205684567294	--
24	CHROMIUM	Leaf	0.1	1.2	-0.5442463649695065	--
9	ASPERULOSIDE	Leaf				--
0	ARBUTIN-GALLIC-ACID-ESTER	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	KILOCALORIES	Leaf		2710.0	-0.4966015489159516	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
64	OLEANOLIC-ACID	Shoot				--
6	UVAOL	Shoot				--
8	GENTISIC-ACID	Leaf				--
64	OLEANOLIC-ACID	Plant				--
0	QUERCETIN-3-O-ARABINOPYRANOSIDE	Leaf				--
0	ERYTHRODIOL	Leaf				--
77	ZINC	Leaf				--
22	ISOQUERCITRIN	Leaf				--
64	OLEANOLIC-ACID	Tissue Culture		454.5		--
0	METHYL-ARBUTIN	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	UVAOL	Leaf				--
0	2,3,6-GALLOYL-D-GLUCOSE	Leaf				--
0	O-PROTocatechuic-acid	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUERCETIN-3-O-ARABINOFURANOSIDE	Leaf				--
9	DELPHINIDIN	Leaf				--
15	ARBUTIN	Tissue Culture		30.0		--
0	WATER	Leaf		884000.0	0.38097023554195547	--
0	MYRICETIN-3-O-GALACTOSIDE	Leaf				--
15	RIBOFLAVIN	Leaf		0.0	-0.1778615232261736	--
89	URSOLIC-ACID	Shoot				--
51	ELLAGIC-ACID	Leaf				--
0	TRIGALLOYL-GLUCOSE	Leaf				--
0	QUERCETIN-3-O-(6-O-GALLOYL-GALACTOSIDE)	Leaf				--
7	CYANIDIN	Leaf				--
0	4-HYDROXYANISOLE	Tissue Culture				--
6	UVAOL	Plant				--
14	HYPERIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	MYRICETIN-3-O-BETA-D-GALACTOSIDE	Leaf				--
1	QUINIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
89	URSOLIC-ACID	Plant				--
0	TETRAGALLOYL-GLUCOSE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HOMOPROTECATECHUIC-ACID	Leaf				--
25	P-COUMARIC-ACID	Leaf				--
9	BETA-AMYRIN	Leaf				--
34	MYRICETIN	Leaf				--
0	MYRICETIN-GYLCOSIDE	Leaf				--
44	QUERCITRIN	Leaf				--
23	CITRIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
43	PROTECATECHUIC-ACID	Leaf				--
4	(+)-CATECHOL	Leaf				--
2	ALPHA-AMYRIN-ACETATE	Leaf				--
2	MONOTROPEIN	Leaf				--
0	UNEDOSIDE	Root		1296.0		--
0	FIBER(DIETARY)	Leaf		362000.0	-0.15032716727991322	--
2	MONOTROPEIN	Shoot		250.0		--
176	QUERCETIN	Leaf				--
41	TANNIC-ACID	Leaf				--
62	GALLIC-ACID	Leaf				--
0	PO	Leaf				--
30	(+)-CATECHIN	Leaf				--
10	ALPHA-AMYRIN	Leaf				--
0	METHYL-ARBUTIN	Leaf		57.0		--
4	TIN	Leaf				--
0	FIBER(CRUDE)	Leaf		121000.0	-0.16669730593333357	--
0	HEXA-O-GALLOYL-BETA-D-GLUCOSE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	MO	Leaf				--
6	SYRINGIC-ACID	Leaf				--
0	FOENICULIN	Leaf				--
10	ALPHA-AMYRIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
102	CAFFEIC-ACID	Leaf				--
10	ALPHA-AMYRIN	Shoot				--
0	PICEOSIDE	Leaf				--
31	THIAMIN	Leaf		1.0	-1.5223183099349709	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
38	(-)-EPICATECHIN	Leaf				--
0	GALLOTANNINS	Leaf				--
21	LUPEOL	Leaf				--
9	SINAPIC-ACID	Leaf				--
3	FLUORIDE	Leaf		3.2	-0.9999999999999999	--
12	ALLANTOIN	Plant				--
102	CAFFEIC-ACID	Plant				--
12	ALLANTOIN	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	MALIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	P-METHOXY-PHENOL	Root				--
2	TARAXASTEROL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	QUERCETIN-MONO-GLUCOSIDE	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

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62	GALLIC-ACID	Plant				--
30	HYPEROSIDE	Leaf		13000.0	1.7157410419087582	--
34	SALICYLIC-ACID	Leaf				--
22	BETULINIC-ACID	Root				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	3-O-BETA-GLUCOPYRANOSIDE-3',4',5,7-TETRAHYDROXY-FLAVONE	Leaf				--
13	P-HYDROXY-BENZOIC-ACID	Leaf				--
0	ELLAGOTANNINS	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
9	OXALIC-ACID	Leaf				--
0	QUERCETIN-DIGLUCOSIDE	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
13	FORMIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
17	RESORCINOL	Leaf				--
22	BETULINIC-ACID	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	3-O-BETA-D-GALACTOPYRANOSIDE-3',4',5,7-TETRAHYDROXY-FLAVONE	Leaf				--
7	AVICULARIN	Leaf				--
21	LUPEOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
64	OLEANOLIC-ACID	Leaf				--
24	VANILLIC-ACID	Leaf				--

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15	FIBER	Leaf		121000.0	-0.5012607719791021	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
8	PENTAGALLOYL-GLUCOSE	Leaf				--
2	PENTA-O-GALLOYL-BETA-D-GLUCOSE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUERCETIN-3-O-BETA-D-(6-O-GALLOYL-GALACTOSIDE)	Leaf				--
47	BETA-SITOSTEROL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
61	FERULIC-ACID	Leaf				--