

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Arctostaphylos uva-ursi*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	(+)-CATECHIN	Leaf	--	--		
4	(+)-CATECHOL	Leaf	--	--		
38	(-)-EPICATECHIN	Leaf	--	--		
12	ALLANTOIN	Plant	--	--		
12	ALLANTOIN	Leaf	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
10	ALPHA-AMYRIN	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
10	ALPHA-AMYRIN	Shoot	--	--		
10	ALPHA-AMYRIN	Leaf	--	--		
2	ALPHA-AMYRIN-ACETATE	Leaf	--	--		
5	ALUMINUM	Leaf	83	719	-0.008939171802457953	
15	ARBUTIN	Tissue Culture	--	30		
15	ARBUTIN	Plant	75000	107000	1.0838895819763519	
15	ARBUTIN	Leaf	114.3	186000	1.9896414881258047	
112	ASCORBIC-ACID	Leaf	22	191	-0.4261977308148832	
9	ASPERULOSIDE	Leaf	--	--		
7	AVICULARIN	Leaf	--	--		
9	BETA-AMYRIN	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	BETA-CAROTENE	Leaf	20	172	-0.3888883484362654	
47	BETA-SITOSTEROL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
22	BETULINIC-ACID	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
22	BETULINIC-ACID	Root	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
102	CAFFEIC-ACID	Plant	--	--		
102	CAFFEIC-ACID	Leaf	--	--		
28	CALCIUM	Leaf	1264	10900	-0.5149978063425779	
24	CHROMIUM	Leaf	0.1	1.2	-0.5442463649695065	
23	CITRIC-ACID	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	COBALT	Leaf	0.2	1.7	-0.28878110731780054	
7	CYANIDIN	Leaf	--	--		
9	DELPHINIDIN	Leaf	--	--		
51	ELLAGIC-ACID	Leaf	--	--		
61	FERULIC-ACID	Leaf	--	--		
15	FIBER	Leaf	121000	121000	-0.5012607719791021	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	FLUORIDE	Leaf	--	3.2	-0.9999999999999999	
13	FORMIC-ACID	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
62	GALLIC-ACID	Leaf	--	--		
62	GALLIC-ACID	Plant	--	--		
2	GALLO-TANNIN	Leaf	150000	200000		
8	GENTISIC-ACID	Leaf	--	--		
32	HYDROQUINONE	Leaf	2000	5000		
14	HYPERIN	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
30	HYPEROSIDE	Leaf	--	13000	1.7157410419087582	
6	IRON	Leaf	12	105	-0.6544307006978738	
22	ISOQUERCITRIN	Leaf	--	--		
21	LUPEOL	Leaf	--	--		
21	LUPEOL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
65	MAGNESIUM	Leaf	140	1210	-1.1258679955859505	
15	MALIC-ACID	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	MANGANESE	Leaf	2	16.5	-0.4324553198134763	
2	MONOTROPEIN	Shoot	--	250		
2	MONOTROPEIN	Leaf	--	--		
34	MYRICETIN	Leaf	--	--		
39	NIACIN	Leaf	1.4	12	-1.0399962396702847	
64	OLEANOLIC-ACID	Tissue Culture	--	454.5		
64	OLEANOLIC-ACID	Plant	--	--		
64	OLEANOLIC-ACID	Shoot	--	--		
64	OLEANOLIC-ACID	Leaf	--	--		
9	OXALIC-ACID	Leaf	--	--		
25	P-COUMARIC-ACID	Leaf	--	--		
13	P-HYDROXY-BENZOIC-ACID	Leaf	--	--		
1	P-METHOXY-PHENOL	Root	--	--		
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.
8	PENTAGALLOYL-GLUCOSE	Leaf	--	--		
4	PHOSPHORUS	Leaf	43	370	-0.8466077115965281	
14	POTASSIUM	Leaf	444	3830	-1.170802360553902	
43	PROTOCATECHUIC-ACID	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
176	QUERCETIN	Leaf	--	--		
44	QUERCITRIN	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.
17	RESORCINOL	Leaf	--	--		
15	RIBOFLAVIN	Leaf	--	--	-0.1778615232261736	
34	SALICYLIC-ACID	Leaf	--	--		
60	SELENIUM	Leaf	0.2	1.6	-0.2596115444281096	
4	SILICON	Leaf	0.8	7	-0.3923715705100825	
9	SINAPIC-ACID	Leaf	--	--		
1	SODIUM	Leaf	7	60	-0.636628488925615	
6	SYRINGIC-ACID	Leaf	--	--		
41	TANNIC-ACID	Leaf	--	--		
35	TANNIN	Plant	60000	200000	1.69885594398259	
35	TANNIN	Leaf	6960	70000	-0.49479364485602007	
2	TARAXASTEROL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
31	THIAMIN	Leaf	1	1	-1.5223183099349709	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	TIN	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
89	URSOLIC-ACID	Shoot	--	--		
89	URSOLIC-ACID	Leaf	4000	7500	-0.24659009656320915	
89	URSOLIC-ACID	Plant	--	--		
6	UVAOL	Leaf	--	--		
6	UVAOL	Plant	--	--		
6	UVAOL	Shoot	--	--		
24	VANILLIC-ACID	Leaf	--	--		
77	ZINC	Leaf	--	--		