

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Polygonum multiflorum

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	ALUMINUM	Root	152	152	-0.23092356882413043	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	ANTHRAQUINONES	Root	--	11000	-0.8145355295230408	
2	ARSENIC	Rhizome	0.11	0.11	-0.3682464952502336	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
112	ASCORBIC-ACID	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
53	BETA-CAROTENE	Root	2.4	2.4	-0.421076046376712	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
47	BETA-SITOSTEROL	Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
47	BETA-SITOSTEROL	Shoot	--	--		
47	BETA-SITOSTEROL	Rhizome	--	--		
28	CALCIUM	Rhizome	15300	15300	1.8231785881156002	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
28	CALCIUM	Root	3370	3370	-0.4416648442153509	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
28	CALCIUM	Plant	--	2225	-1.2156106648213802	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
24	CHROMIUM	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	CHRYSOPHANIC-ACID	Root	--	--		

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10	CHRYSOPHANOL	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	COBALT	Root	145	145	2.6020241246296503	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
12	COPPER	Rhizome	5	5	-1.2402737325891986	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
4	D-CATECHIN	Root	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
5	DAUCOSTEROL	Tuber	--	--		
2	DIGITOLUTEIN	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
58	EMODIN	Leaf	--	--		
58	EMODIN	Tuber	--	--		
58	EMODIN	Plant	--	--		
58	EMODIN	Shoot	--	--		
58	EMODIN	Root	--	--		
58	EMODIN	Bulb	--	--		
58	EMODIN	Rhizome	--	--		
15	FIBER	Root	175000	175000	1.9296400859584986	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
62	GALLIC-ACID	Tuber	--	--		
30	HYPEROSIDE	Fruit	--	3000		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Rhizome	150	150	-0.6307694628192408	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
6	IRON	Plant	--	350	-0.3261303905390022	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
6	IRON	Root	156	156	-0.2150178890958716	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
20	LECITHIN	Root	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
65	MAGNESIUM	Rhizome	890	890	-0.7764379797972003	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
65	MAGNESIUM	Root	2340	2340	-0.11788559715647026	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
14	MANGANESE	Plant	--	18.5	-0.5623119931896589	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
14	MANGANESE	Root	21	21	-0.2951138210256497	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
14	MANGANESE	Rhizome	26	26	-0.6643257577793106	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
4	PHOSPHORUS	Root	1040	1040	-0.4353624968509736	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
5	PHYSCION	Root	--	--		
5	PHYSCION	Tuber	--	--		
5	PHYSCION	Shoot	--	--		
5	PHYSCION	Bulb	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	PHYSCION	Rhizome	--	--		
5	PHYSCION	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
7	PICEID	Root	2320	5310		
14	POTASSIUM	Rhizome	9120	9120	-0.4265768268646751	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
14	POTASSIUM	Root	10800	10800	-0.36456358180356746	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	PROCYANIDIN-B-2	Root	--	--		
2	QUESTIN	Tuber	--	--		
68	RESVERATROL	Plant	--	--		
68	RESVERATROL	Root	2960	3770		
1	RHAPONTICIN	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
18	RHEIN	Root	--	--		
15	RIBOFLAVIN	Root	0.9	0.9	-0.6947245423214473	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
44	SCOPOLETIN	Plant	--	--		
60	SELENIUM	Root	--	74	4.901657448832962	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	SILICON	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	SODIUM	Rhizome	117	117	-0.49441428607527815	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
1	SODIUM	Root	42	42	-0.49321665692176836	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
5	STARCH	Root	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
31	THIAMIN	Root	0.1	0.1	-0.5848490255146099	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	TIN	Root	13	13	-0.35437186016542255	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
9	TRICIN	Tuber	--	--		
77	ZINC	Rhizome	8	8	-0.44762528958867887	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
77	ZINC	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
77	ZINC	Plant	--	24.5	-0.27264823372413644	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.