

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Polygonum multiflorum

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2,3,5,4'-TETRAHYDROXYSTILBENE-2-O-GLUCOSIDE	Root				--
0	2,3,5,4'-TETRAHYDROXYSTILBENE-2-O-GLUCOSIDE	Plant		12000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	2-3'-4'-5-TETRAHYDROXYSTILBENE	Plant				--
0	2-ACETYL-EMODIN	Tuber				--
0	3,3'-DI-O-GALLOYLPROCYANIDIN-B-2	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	3-O-GALLOYL-L-CATECHIN	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	3-O-GALLOYL-L-EPICATECHIN	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	3-O-GALLOYL-PROCYANIDIN-B-1	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	6-ACETYL-2-METHOXY-7-METHYL-JUGLONE	Tuber				--
5	ALUMINUM	Root		152.0	-0.23092356882413043	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	ANTHRAQUINONES	Root		11000.0	-0.8145355295230408	--
2	ARSENIC	Rhizome		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.
0	ASH	Root		70000.0	0.06970991327055617	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
53	BETA-CAROTENE	Root		2.4	-0.421076046376712	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
47	BETA-SITOSTEROL	Rhizome				--
47	BETA-SITOSTEROL	Shoot				--

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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.
0	BISADE	Plant				--
28	CALCIUM	Rhizome		15300.0	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	Plant		2225.0	-1.2156106648213802	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
28	CALCIUM	Root		3370.0	-0.4416648442153509	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	CARBOHYDRATES	Root		735000.0	-1.2197569504915382	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
24	CHROMIUM	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	CHRYSOPHANIC-ACID	Root				--
0	CHRYSOPHANIC-ACID-ANTHRONE	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CHRYSOPHANIC-ACID-ANTHRONE	Root				--
10	CHRYSOPHANOL	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CHRYSOPHANOL-GLYCOSIDE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	CITREOROSEIN	Tuber				--
2	COBALT	Root		145.0	2.6020241246296503	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
12	COPPER	Rhizome		5.0	-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.
0	CYANIDINS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
4	D-CATECHIN	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	D-EPICATECHIN	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.
0	DIGITOLUTEIN-GLUCOSIDE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
58	EMODIN	Plant				--
58	EMODIN	Tuber				--
58	EMODIN	Leaf				--
58	EMODIN	Rhizome				--
58	EMODIN	Bulb				--
58	EMODIN	Shoot				--
58	EMODIN	Root				--
0	EMODIN-1-6-DIMETHYL-ETHER	Tuber				--
0	EMODIN-6-METHYL-ETHER	Plant				--
0	EMODIN-8-O-BETA-D-GLUCOSIDE	Tuber				--
0	EMODIN-8-O-BETA-D-MONOGLUCOSIDE	Shoot				--

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0	EMODIN-GLYCOSIDE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	EMODIN-MONOMETHYL-ETHER	Leaf				--
0	EMODIN-MONOMETHYL-ETHER	Root				--
0	FAT	Root		15000.0	-0.26278086141973483	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	FIBER	Root		175000.0	1.9296400859584986	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	FOENICULIN	Fruit		500.0	-1.0	--
0	FOENICULIN	Flower		1000.0		--
62	GALLIC-ACID	Tuber				--
30	HYPEROSIDE	Fruit		3000.0		--
6	IRON	Root		156.0	-0.2150178890958716	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	IRON	Rhizome		150.0	-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	-0.3261303905390022	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	KILOCALORIES	Root		3200.0	-0.3666891526242119	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
20	LECITHIN	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
65	MAGNESIUM	Root		2340.0	-0.11788559715647026	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
65	MAGNESIUM	Rhizome		890.0	-0.77643797972003	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	MANGANESE	Rhizome		26.0	-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.
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		21.0	-0.2951138210256497	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	MONOMETHYL-ETHER	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	N-TRANS-FERULYL-3-METHYL-DOPAMINE	Tuber				--
0	N-TRANS-FERULYL-3-METHYL-TYRAMINE	Tuber				--
0	PHOSPHOLIPIDS	Plant		34900.0	-0.08582058420669515	--
4	PHOSPHORUS	Root		1040.0	-0.4353624968509736	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
5	PHYSCION	Root				--
5	PHYSCION	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
5	PHYSCION	Rhizome				--
5	PHYSCION	Bulb				--
5	PHYSCION	Shoot				--
5	PHYSCION	Tuber				--
0	PHYSCION-8-O-BETA-D-GLUCOSIDE	Tuber				--

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0	PHYSCION-GLYCOSIDE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	PICEATANNOL-GLUCOSIDE	Root	1220.0	2760.0		--
7	PICEID	Root	2320.0	5310.0		--
0	POLYGOACETOPHENOSIDE	Stem		800.0		--
0	POLYGOACETOPHENOSIDE	Leaf		1750.0		--
0	POLYGOACETOPHENOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	POLYGOACETOPHENOSIDE	Flower		2500.0		--
0	POLYGONIMITIN-B	Root				--
0	POLYGONIMITIN-C	Root				--
14	POTASSIUM	Root		10800.0	-0.36456358180356746	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
14	POTASSIUM	Rhizome		9120.0	-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.
1	PROCYANIDIN-B-2	Root				--
0	PROTEIN	Root		18000.0	-1.1275908762925957	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	QUESTIN	Tuber				--
0	QUESTINOL	Tuber				--
68	RESVERATROL	Plant				--
68	RESVERATROL	Root	2960.0	3770.0		--
0	RESVERATROLOSIDE	Root	2770.0	5310.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	RHAPONTICIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	RHAPONTIN	Root				--
18	RHEIN	Root				--
15	RIBOFLAVIN	Root		0.9	-0.6947245423214473	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
44	SCOPOLETIN	Plant				--
60	SELENIUM	Root		74.0	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.
1	SODIUM	Root		42.0	-0.49321665692176836	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	SODIUM	Rhizome		117.0	-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.
5	STARCH	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	STILBENE-GLYCOSIDE-GALLATES	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
31	THIAMIN	Root		0.1	-0.5848490255146099	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	TIN	Root		13.0	-0.35437186016542255	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
9	TRICIN	Tuber				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	WATER	Root		800000.0	0.2012998824504101	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.
77	ZINC	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
77	ZINC	Rhizome		8.0	-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.