

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Pueraria montana*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	FIBER	Stem		462000.0	1.1396711505257664	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	STARCH	Root	130000.0	400000.0	0.35249191462533713	--
15	FIBER	Shoot	171000.0	275000.0	1.0771908220429884	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	2-METHOXY-4-VINYL-PHENOL	Leaf Essent. Oil		80600.0		--
49	PUERARIN	Root	3.5	50300.0		--
1	PHYTOL	Leaf Essent. Oil		46300.0		--
14	POTASSIUM	Shoot	16000.0	36050.0	0.8561443907517653	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	FIBER	Root	7000.0	22300.0	-1.461573051927587	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
10	ROBININ	Leaf	500.0	18700.0		--
10	DAIDZIN	Root	5.3	6520.0		--
4	PHOSPHORUS	Shoot	470.0	2440.0	-0.43012350286689155	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
32	DAIDZEIN	Root		1800.0	1.0	--
28	CALCIUM	Shoot	1600.0	1700.0	-0.9516729083531525	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	GENISTIN	Root		1120.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
32	DAIDZEIN	Leaf		949.8	0.9999999999999997	Kaufman,PB,Duke,JA,Briemann,H,Boik,J and Hoyt,JE. 1997. A Comparative Survey of Leguminous Plants as Sources of the Isoflavones Genistein and Daidzein: Implications For Human Nutrition and Health. Journal of Alternative & Complementary Medicine 3(1):7-12
65	MAGNESIUM	Shoot	800.0	850.0	-0.9192138294810521	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	PHOSPHORUS	Root	180.0	575.0	-0.5170673277022045	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
32	DAIDZEIN	Stem		510.0	1.0	--
28	CALCIUM	Root	150.0	475.0	-0.7587195817437633	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
10	DAIDZIN	Leaf		400.0		--
81	GENISTEIN	Leaf		316.9	-0.9017833288262167	Kaufman,PB,Duke,JA,Briemann,H,Boik,J and Hoyt,JE. 1997. A Comparative Survey of Leguminous Plants as Sources of the Isoflavones Genistein and Daidzein: Implications For Human Nutrition and Health. Journal of Alternative & Complementary Medicine 3(1):7-12
49	PUERARIN	Stem		208.0		--
10	DAIDZIN	Tissue Culture		119.0		--
5	TUBEROSIN	Leaf Diffusate		106.0		--
5	GLYCITEIN	Flower		88.0		--
49	PUERARIN	Tissue Culture		86.0		--
13	COUMESTROL	Stem		76.0		--
5	TECTORIGENIN	Flower		70.0		--
3	GENISTIN	Tissue Culture		53.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	DAIDZIN	Stem		35.0		--
3	GLYCINOL	Leaf Diffusate		32.0		--
3	GENISTIN	Stem		21.0		--
3	GENISTIN	Leaf		20.0		--
6	IRON	Root	6.0	19.0	-0.41405018579014385	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Shoot		8.0	-1.015123092949927	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	FLUORIDE	Root		6.6	-0.3778681094927793	--
81	GENISTEIN	Leaf Diffusate		3.0	-0.8278486261082212	--
2	PHASEOLLIDIN	Leaf Diffusate		2.0	-1.0	--
16	FORMONONETIN	Rhizome				--
3	GENISTIN	Flower				--
6	PROPIONIC-ACID	Fruit Essent. Oil				--
50	BAICALEIN	Root				--
32	DAIDZEIN	Plant				--
1	TECTORIDIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	SUCCINIC-ACID	Root				--
101	APIGENIN	Root				--
76	EUGENOL	Fruit Essent. Oil				--
16	FORMONONETIN	Root				--
32	DAIDZEIN	Rhizome				--
12	STIGMASTEROL	Stem				--
13	PALMITIC-ACID	Stem				--
19	ACETYL-CHOLINE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	ETHYL-ACETATE	Fruit Essent. Oil				--
16	FORMONONETIN	Flower				--
13	COUMESTROL	Root				--
8	STEARIC-ACID	Stem				--
25	P-COUMARIC-ACID	Flower				--
3	(-)-GLYCINOL	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Flower				--
32	DAIDZEIN	Flower				--
20	CHOLINE	Root				--
22	SCOPARONE	Root				--
2	ONONIN	Flower				--
2	WIGHTEONE	Leaf Diffusate				--
5	DAUCOSTEROL	Flower				--
176	QUERCETIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
87	RUTIN	Leaf				--
1	CAPROIC-ACID	Fruit Essent. Oil				--
2	MALVIN	Flower				--
5	DAUCOSTEROL	Root				--
32	BIOCHANIN-A	Flower				--
176	QUERCETIN	Root				--
32	BIOCHANIN-A	Root				--
27	LINOLEIC-ACID	Stem				--
3	SHEKANIN	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	DAIDZIN	Plant				--
4	BETA-SITOSTEROL-BETA-D-GLUCOSIDE	Root				--
176	QUERCETIN	Flower				--
47	BETA-SITOSTEROL	Stem				--
5	ISOVALERIC-ACID	Fruit Essent. Oil				--
81	GENISTEIN	Root				--
47	BETA-SITOSTEROL	Root				--
49	PUERARIN	Plant				--
47	BETA-SITOSTEROL	Flower				--
81	GENISTEIN	Stem				--
3	GLYCINOL	Leaf				--
28	ISOLIQUIRITIGENIN	Root				--
12	ALLANTOIN	Root				--
9	BENZYL-ALCOHOL	Fruit Essent. Oil				--
81	GENISTEIN	Flower				--
3	ISOAMYL-ALCOHOL	Fruit Essent. Oil				--
1	6,7-DIMETHOXYCOUMARIN	Root				--
5	TUBEROSIN	Stem				--
20	BENZOIC-ACID	Fruit Essent. Oil				--
25	P-COUMARIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.