

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Glycyrrhiza uralensis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Root	11.0	13.0	-0.489576115410352	--
14	SUCROSE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
1	SODIUM	Root	323.0	1340.0	0.11115161273729743	--
1	SIGMOIDIN-B	Shoot		7.0		--
44	SCOPOLETIN	Shoot		2.0		--
5	SAPONINS	Root	60000.0	140000.0	1.7378627114836418	Chemical Constituents of Oriental Herbs (3 diff. books)
87	RUTIN	Leaf		53.0	-1.0012547705959014	--
1	QUERCETIN-3,3'-DIMETHYLETHER	Leaf		48.0		--
176	QUERCETIN	Leaf		7.0	-0.3519175096210679	--
14	POTASSIUM	Root	2500.0	3140.0	-0.9254550611631442	--
13	P-HYDROXY-BENZOIC-ACID	Sprout Seedling		0.5		--
2	ONONIN	Root	200.0	6000.0	1.413063343101065	--
1	NEOLIQURITIN	Root				--
1	NEOISOLIQURITIN	Root		200.0		--
56	NARINGENIN	Root				--
2	N-HEXACOSANE	Root				--
18	MANNITOL	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
14	MANGANESE	Root	13.0	26.0	-0.23540916682251556	--
65	MAGNESIUM	Root	3690.0	5070.0	1.3347601821303892	--
3	LIQUIRITIN	Root	120.0	300000.0	1.0	--
3	LIQUIRITIN	Rhizome	7900.0	36490.0	1.0	--
12	LIQUIRITIGENIN	Sprout Seedling				--
12	LIQUIRITIGENIN	Rhizome	30.0	1210.0		--
12	LIQUIRITIGENIN	Root		70000.0	1.0	--
1	LICORICIDIN	Root		11.0		--
7	LICOPYRANOCOUMARIN	Root		500.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	LICOISOFLAVONE-A	Root				--
4	LICOCOUMARONE	Root		900.0		--
4	LICOCOUMARONE	Rhizome	19.0	400.0		--
2	LICOCHALCONE-B	Root				--
28	LICOCHALCONE-A	Root				--
28	LICOCHALCONE-A	Rhizome				--
2	LICOBENZOFURAN	Root				--
22	ISOQUERCITRIN	Leaf		21.0	-0.4483403259065055	--
6	ISOLIQUIRITIN	Rhizome	800.0	23280.0	1.0	--
6	ISOLIQUIRITIN	Root	120.0	4000.0	1.0	--
28	ISOLIQUIRITIGENIN	Sprout Seedling				--
28	ISOLIQUIRITIGENIN	Rhizome	60.0	20000.0	1.0	--
28	ISOLIQUIRITIGENIN	Root	100.0	1050.0	-1.0	--
2	ISOLICOFLAVONOL	Rhizome		10.0		--
2	ISOBAVACHALCONE	Sprout Seedling		0.8		--
6	IRON	Root	180.0	280.0	-0.03487186873025288	--
57	GLYCYRRHIZIN	Root	11200.0	84000.0	-0.541917250519363	--
57	GLYCYRRHIZIN	Leaf				--
57	GLYCYRRHIZIN	Stem				--
57	GLYCYRRHIZIN	Plant				--
57	GLYCYRRHIZIN	Rhizome	2000.0	81670.0	1.3590702651662159	--
32	GLYCYRRHETINIC-ACID	Root				--
29	GLYCYRRHETIC-ACID	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
5	GLYCYCOUMARIN	Rhizome	10.0	1380.0		--
5	GLYCYCOUMARIN	Root	1600.0	1750.0	1.0	--
4	GLUCURONIC-ACID	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
7	GLUCOSE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
16	FORMONONETIN	Shoot		3.0		--
16	FORMONONETIN	Root				--
16	FORMONONETIN	Sprout Seedling		25.0		--
1	ECHINATIN	Root				--
1	ECHINATIN	Sprout Seedling				--
1	ECHINATIN	Tissue Culture				--
12	COPPER	Root	13.0	14.0	0.25236706334497194	--
28	CALCIUM	Root	6850.0	23500.0	1.7629333825366154	--
22	BETULINIC-ACID	Root				--
47	BETA-SITOSTEROL	Root				--
7	ASTRAGALIN	Leaf		16.0	-1.0	--
2	ARSENIC	Root		0.3	-0.19476716146558964	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	ARABOGLYCYRRHIZIN	Root		600.0	1.0	--
1	APIOGLYCYRRHIZIN	Root		100.0	-1.0	--