Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Glycyrrhiza uralensis

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
28	CALCIUM	Root	6850.0	23500.0	1.7629333825366154	--
5	SAPONINS	Root	60000.0	140000.0	1.7378627114836418	Chemical Constituents of Oriental Herbs (3 diff. books)
2	ONONIN	Root	200.0	6000.0	1.413063343101065	--
57	GLYCYRRHIZIN	Rhizome	2000.0	81670.0	1.3590702651662159	--
65	MAGNESIUM	Root	3690.0	5070.0	1.3347601821303892	--
28	ISOLIQUIRITIGENIN	Rhizome	60.0	20000.0	1.0	--
3	LIQUIRITIN	Rhizome	7900.0	36490.0	1.0	--
0	ISOGLYCYROL	Rhizome		270.0	1.0	--
6	ISOLIQUIRITIN	Root	120.0	4000.0	1.0	--
1	ARABOGLYCYRRHIZIN	Root		600.0	1.0	--
5	GLYCYCOUMARIN	Root	1600.0	1750.0	1.0	--
3	LIQUIRITIN	Root	120.0	300000.0	1.0	--
6	ISOLIQUIRITIN	Rhizome	800.0	23280.0	1.0	--
12	LIQUIRITIGENIN	Root		70000.0	1.0	--
0	GLYCYROL	Root		800.0	1.0	--
12	COPPER	Root	13.0	14.0	0.25236706334497194	--
1	SODIUM	Root	323.0	1340.0	0.11115161273729743	--
6	IRON	Root	180.0	280.0	-0.03487186873025288	--
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.
14	MANGANESE	Root	13.0	26.0	-0.23540916682251556	--
176	QUERCETIN	Leaf		7.0	-0.3519175096210679	--
22	ISOQUERCITRIN	Leaf		21.0	-0.4483403259065055	--
77	ZINC	Root	11.0	13.0	-0.489576115410352	--
57	GLYCYRRHIZIN	Root	11200.0	84000.0	-0.541917250519363	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	EO	Root		50.0	-0.6524371988344991	Isaev, V. 1932. Essential Oils of the Flora of Tadshikistan. Acta Hortii Bot Tadshikistan 1932: 17-.
14	POTASSIUM	Root	2500.0	3140.0	-0.9254550611631442	--
7	ASTRAGALIN	Leaf		16.0	-1.0	--
0	NICOTIFLORIN	Leaf		32.0	-1.0	--
28	ISOLIQUIRITIGENIN	Root	100.0	1050.0	-1.0	--
1	APIOGLYCYRRHIZIN	Root		100.0	-1.0	--
87	RUTIN	Leaf		53.0	-1.0012547705959014	--
4	GLUCURONIC-ACID	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	4',7-DIHYDROXYFLAVONE	Root		240.0		--
1	ECHINATIN	Sprout Seedling				--
0	LICORICE-SAPONIN-C-2	Rhizome		50.0		--
0	GANCAONIN-U	Shoot		12.0		--
0	LIQUIRITIN-APIOSIDE	Root	120.0	9000.0		--
0	URALENIC-ACID	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
4	LICOCOUMARONE	Rhizome	19.0	400.0		--
0	2-METHYL-7-HYDROXYISOFLAVONE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GLYCYRRHIZA-URALENSIS-GLUCAN-6	Root				--
0	PYRANOCOUMARIN	Root				--
0	GANCAONIN-E	Shoot		8.0		--
0	LICORICE-SAPONIN-K-2	Root		0.4		--
0	LICORICONE	Root				--
0	KANZONOL-K	Rhizome		0.04		--
0	18-BETA-GLYCYRRHETINIC-ACID	Root				--
2	ISOLICOFLAVONOL	Rhizome		10.0		--
0	1-METHOXY-FICIFOLINOL	Root		3.4		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
1	ECHINATIN	Tissue Culture				--
0	LICORICE-SAPONIN-B-2	Root		0.8		--
7	GLUCOSE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GANCAONIN-T	Shoot		1.0		--
14	SUCROSE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
2	LICOCHALCONE-B	Root				--
0	GLYCYRRHIZA-PECTIN	Root				--
13	P-HYDROXY-BENZOIC-ACID	Sprout Seedling		0.5		--
0	GANCAONIN-D	Shoot		0.3		--
0	LICORICE-SAPONIN-J-2	Root		0.4		--
1	LICORICIDIN	Root		11.0		--
0	KANZONOL-J	Root		2.0		--
0	18-ALPHA-GLYCYRRHETINIC-ACID	Root				--
0	ISOGLYCYROL	Root Bark				--
0	8-C-PRENYL-ERIODICTYOL	Root		13.0		--
0	CLYCOSIN	Sprout Seedling		0.5		--
0	LICORICE-SAPONIN-B-2	Rhizome		40.0		--
0	GLABROLIDE	Root				--
0	GANCAONIN-S	Shoot		3.0		--
0	LIQUIRITIGENIN-4'-APIOSYL-(1,2)-GLUCOSIDE	Root				--
28	LICOCHALCONE-A	Root				--
0	GLYCYRRHIZA-PECTIC-POLYSACCHARIDE	Root				--
0	GANCAONIN-C	Shoot		3.0		--
0	LICORICE-SAPONIN-H-2	Root	1.4	2100.0		--
0	LICOFLAVONE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	KANZONOL-I	Root		4.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	3-OXO-GLYCYRRHETIC-ACID	Root				--
0	2',4',7-TRIHYDROXY-3'-GAMMA-GAMMA-DIMETHYL-ALLYL-3-ARYLCOUMARIN	Root				--
47	BETA-SITOSTEROL	Root				--
0	LICORICE-SAPONIN-A-3	Root	5.8	1000.0		--
0	GLABRIC-ACID	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GANCAONIN-R	Shoot		14.0		--
0	LIQUIRITIGENIN-4',7-DIGLUCOSIDE	Root		20.0		--
28	LICOCHALCONE-A	Rhizome				--
32	GLYCYRRHETINIC-ACID	Root				--
0	ONOCERIN	Root				--
0	GANCAONIN-B	Shoot		20.0		--
0	LICORICE-SAPONIN-G-2	Root	0.6	1000.0		--
0	KANZONOL-H	Root		1.0		--
0	3-ACETYL-GLYCYRRHETIC-ACID	Root				--
0	2',4',5-TRIHYDROXY-7-METHOXY-8-ALPHA-ALPHA-DIMETHYL-ALLYL-3-ARYLCOUMARIN	Root				--
0	GLYCYROL	Root Bark				--
0	LICORICE-SAPONIN-A-3	Rhizome		290.0		--
0	ISOGLYCYCOUMARIN	Rhizome		180.0		--
0	GANCAONIN-Q	Shoot		1.5		--
12	LIQUIRITIGENIN	Sprout Seedling				--
2	LICOBENZOFURAN	Root				--
0	GLYCYRRHETIC-ACID-METHYL-ESTER	Root				--
0	GANCAONIN-A	Shoot		37.0		--
0	LICORICE-SAPONIN-F-3	Root		0.4		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	KANZONOL-G	Root		4.0		--
0	24-HYDROXYGLYCYRRHETIC-ACID-METHYL-ESTER	Root				--
0	GLYCYROL	Rhizome		440.0		--
7	LICOPYRANOCOUMARIN	Root		500.0		--
2	ISOBAVACHALCONE	Sprout Seedling		0.8		--
0	URALENE	Leaf		26.0		--
0	GANCAONIN-P3'-METHYL-ETHER	Root		1.0		--
12	LIQUIRITIGENIN	Rhizome	30.0	1210.0		--
18	MANNITOL	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	KUMATAKENIN	Root				--
1	NEOLIQUIRITIN	Root				--
16	FORMONONETIN	Shoot		3.0		--
0	LICORICE-SAPONIN-E-2	Root	2.4	700.0		--
0	ISOGLYCYROL	Root		200.0		--
0	KANZONOL-F	Root		2.0		--
0	18-ALPHA-HYDROXY-GLYCYRRHETATE	Rhizome				--
0	GLYCYRIN	Root		400.0		--
0	APIOLIQUIRITIN	Root				--
0	LICONEOLIGNAN	Root		15.0		--
22	BETULINIC-ACID	Root				--
0	GLYURANOLIDE	Rhizome				--
1	SIGMOIDIN-B	Shoot		7.0		--
0	GANCAONIN-P	Shoot		6.0		--
0	LICRASIDE	Root		600.0		--
0	KANZONOL-P	Root		0.8		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	3-BETA-24-DIHYDROXY-OLEAN-11,13(18)-DIEN-30-OIC-ACID-METHYL-ESTER	Root				--
1	NEOISOLIQUIRITIN	Root		200.0		--
0	LICORICE-SAPONIN-E-2	Rhizome		120.0		--
0	3-O-METHYLGLYCYROL	Root				--
16	FORMONONETIN	Root				--
5	GLYCYCOUMARIN	Rhizome	10.0	1380.0		--
0	APIOISOLIQUIRITIN	Root				--
4	LICOISOFLAVONE-A	Root				--
0	ASPARANIC-ACID	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
57	GLYCYRRHIZIN	Leaf				--
44	SCOPOLETIN	Shoot		2.0		--
0	GANCAONIN-O	Shoot		5.0		--
0	LICORISOFLAVAN-A	Root		16.0		--
0	KANZONOL-O	Root		0.4		--
0	6''-O-ACETYL-LIQUIRITIN	Root				--
0	NEOGLYCYROL	Root				--
0	LICORICE-SAPONIN-D-3	Root		1.0		--
0	ISOLIQUIRITIN-APIOSIDE	Root	20.0	1650.0		--
0	3-BETA-FORMYLGLABROLIDE	Root				--
16	FORMONONETIN	Sprout Seedling		25.0		--
0	NARCISSIN	Leaf		16.0		--
0	LICOFLAVONOL	Root				--
57	GLYCYRRHIZIN	Stem				--
0	GANCAONIN-N	Shoot		1.0		--
0	LICORIDIN	Root				--
0	KANZONOL-N	Root		0.4		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	2,3-DIHYDRO-ISOLIQUIRITIGENIN	Root				--
56	NARINGENIN	Root				--
29	GLYCYRRHETIC-ACID	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	24-HYDROXYGLABROLIDE	Root				--
0	LICORICE-SAPONIN-D-3	Rhizome		70.0		--
0	GLYASPERIN-D	Root		0.4		--
2	N-HEXACOSANE	Root				--
0	APIGENIN-6,8-DI-C-GLUCOSIDE	Root				--
0	LICOFLAVONE-A	Root				--
0	5-O-METHYLGLYCYROL	Root				--
57	GLYCYRRHIZIN	Plant				--
1	QUERCETIN-3,3'-DIMETHYLETHER	Leaf		48.0		--
0	GANCAONIN-M	Shoot		6.0		--
0	LICORICONE	Root Bark				--
0	KANZONOL-M	Root		0.6		--
0	4'-O-(BETA-D-APIO-D-FURANOSYL-(1,2)-BETA-D-GLUCOPYRANOSYL)-LIQUIRITIGENIN	Root		120000.0		--
28	ISOLIQUIRITIGENIN	Sprout Seedling				--
0	22-BETA-ACETYL-GLABRIC-ACID	Root				--
1	ECHINATIN	Root				--
0	LICORICE-SAPONIN-C-2	Root		1.0		--
0	GANCAONIN-V	Shoot				--
0	LUPIWIGHTEONE	Shoot		6.0		--
4	LICOCOUMARONE	Root		900.0		--
0	28-HYDROXYGLYCYRRHETIC-ACID	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GANCAONIN-L	Shoot		7.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	LICORICE-SAPONIN-L-3	Root		300.0		--
0	LICORINONE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	KANZONOL-L	Rhizome		0.1		--
0	18-ALPHA-GLYCYRRHIZIN	Root		200.0		--