

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Scutellaria baicalensis*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	2,3-DIHYDROBENZOFURAN	Root Essent. Oil	--	--		
16	ACETIC-ACID	Root Essent. Oil	--	--		
6	ACETOPHENONE	Root Essent. Oil	--	--		
101	APIGENIN	Leaf	--	60		
14	ARGININE	Root	--	--		
2	ARSENIC	Root	0.18	0.18	-0.19984804393860506	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.
3	ASPARTIC-ACID	Root	--	--		
50	BAICALEIN	Root	1000	54000		
50	BAICALEIN	Stem	--	400		
40	BAICALIN	Stem	5800	43000		
40	BAICALIN	Plant	--	--		
40	BAICALIN	Tissue Culture	--	--		
40	BAICALIN	Root	1000	206000		
1	BAICALIN-A	Plant	--	--		Cell Mol. Biol. Res. (Vol 39=1993)
20	BENZOIC-ACID	Root Essent. Oil	--	--		
20	BENZOIC-ACID	Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	BETA-ELEMENE	Root Essent. Oil	--	--		
13	BETA-EUDES MOL	Root Essent. Oil	--	--		
47	BETA-SITOSTEROL	Root	--	--		
10	BUTYLIDENE-PHTHALIDE	Root Essent. Oil	--	--		
28	CALCIUM	Root	4630	10300	0.3172952010599162	
2	CAMPESTEROL	Root	--	--		
60	CHRYSIN	Leaf	--	40		
60	CHRYSIN	Root	3	800		
60	CHRYSIN	Stem	--	--		
5	CNIDILIDE	Root Essent. Oil	--	--		
12	COPPER	Root	13	18	0.6951955719896852	
1	D-GLUCOSE	Root	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
5	DAUCOSTEROL	Root	--	--		
3	DECANOIC-ACID	Root Essent. Oil	--	--		
16	ELEMICIN	Root Essent. Oil	--	--		
76	EUGENOL	Root Essent. Oil	--	--		
4	FERRUGINOL	Root Essent. Oil	--	--		
3	FLUORIDE	Root	--	3.5	-0.7078374445428119	
2	GERANYL-ACETONE	Root Essent. Oil	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	GLUTAMIC-ACID	Root	--	--		
12	GLYCINE	Root	--	--		
18	GUAIACOL	Root Essent. Oil	--	--		
15	INDOLE	Root Essent. Oil	--	--		
6	IRON	Root	170	220	-0.12203929793942322	
16	ISOEUGENOL	Root Essent. Oil	--	--		
2	ISOSCUTELLAREIN	Leaf	--	6		
2	LEUCINE	Root	--	--		
7	LIGUSTILIDE	Root Essent. Oil	--	--		
53	LINALOOL	Root Essent. Oil	--	--		
4	LYSINE	Root	--	--		
65	MAGNESIUM	Root	7170	7220	2.478785246403923	
11	MALTOL	Root Essent. Oil	--	--		
14	MANGANESE	Root	18	29	-0.19958637430063508	
23	MELATONIN	Leaf	--	7	-0.7050095792557313	
1	MERCURY	Root	0.08	0.08	-0.22436911587835454	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.
15	METHIONINE	Root	--	--		
1	N-BUTYLPHTHALIDE	Root Essent. Oil	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	N-HEXACOSANE	Root Essent. Oil	--	--		
2	NONANOIC-ACID	Root Essent. Oil	--	--		
6	O-CRESOL	Root Essent. Oil	--	--		
5	OCTANOIC-ACID	Root Essent. Oil	--	--		
18	OLEIC-ACID	Root Essent. Oil	--	--		
4	OROXYLIN-A	Root	110	415		
4	OROXYLIN-A	Stem	--	--		
4	OROXYLIN-A	Plant	--	--		
8	P-CRESOL	Root Essent. Oil	--	--		
20	PAEONOL	Root Essent. Oil	--	--		
13	PALMITIC-ACID	Root Essent. Oil	--	--		
26	PHENOL	Root Essent. Oil	--	--		
2	PHENYL-ACETALDEHYDE	Root Essent. Oil	--	--		
7	PHENYLALANINE	Root	--	--		
14	POTASSIUM	Root	6200	9120	-0.4875789454229002	
1	SALIDROSIDE	Root	--	8		
7	SCUTELLAREIN	Root	--	--		
7	SCUTELLAREIN	Leaf	--	30		
1	SERINE	Root	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	SKULLCAPFLAVONE-II	Stem	--	--		
4	SKULLCAPFLAVONE-II	Root	3.3	863		
1	SODIUM	Root	740	991	-0.05134802217103382	
8	STEARIC-ACID	Root Essent. Oil	--	--		
12	STIGMASTEROL	Root	--	--		
14	SUCROSE	Root	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
23	TERPINEN-4-OL	Root Essent. Oil	--	--		
4	THREONINE	Root	--	--		
28	VANILLIN	Root Essent. Oil	--	--		
20	VERBASCOSIDE	Root	--	74		
16	WOGONIN	Leaf	--	40		
16	WOGONIN	Stem	--	2100		
16	WOGONIN	Plant	--	--		
16	WOGONIN	Root	34.7	7300		
1	WOGONIN-7-O-GLUCURONIDE	Stem	--	33200		
1	WOGONIN-7-O-GLUCURONIDE	Root	119	54000		
1	WOGONIN-7-O-GLUCURONIDE-METHYL-ESTER	Root	--	30		
77	ZINC	Root	17	18	-0.27058763773169275	