

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Arnica montana*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	2-BETA-ETHOXY-6-O-ISOBUTYRYL-2,3-DIHYDROHELENALIN	Flower				--
0	4-HYDROXY-THYMOL-DIMETHYL-ETHER	Rhizome				--
0	6-O-ISOBUTYRYL-TETRAHYDROHELENALIN	Flower				--
0	8,9-DEHYDRO-4-HYDROXY-THYMOL-DIMETHYL-ETHER	Rhizome				--
1	ANGELIC-ACID	Rhizome				--
0	ARBICIN	Root				--
1	ARNICOLIDE	Leaf				--
1	ARNIDIOL	Flower				--
0	ARNIFOLIN	Leaf				--
0	ARNISTEROL	Flower				--
7	ASTRAGALIN	Flower				--
0	BALDRIANIC-ACID	Rhizome				--
0	BETA-LACTUCEROL	Flower				--
47	BETA-SITOSTEROL	Flower				--
14	BETAINE	Flower				--
0	BETULETOL	Flower				--
102	CAFFEIC-ACID	Flower				--
0	CARNAUBYLALCOHOL	Flower				--
0	CATECHIN-TANNINS	Rhizome		23000.0		--
77	CHLOROGENIC-ACID	Flower				--
20	CHOLINE	Flower				--
0	DIEN-TETRAIN	Flower				--
9	DIHYDROHELENALIN	Plant				--
0	DIOXYSTEARIC-ACID	Flower				--
0	EN-PENTAIN	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	EO	Root	17700.0	37400.0	1.1068455723271557	--
0	EO	Rhizome	5000.0	63100.0	0.25151146843707856	--
0	EO	Flower	400.0	1400.0	-0.376713254264274	--
0	EUPAFOLIN	Flower				--
2	FARADIOL	Flower				--
13	FORMIC-ACID	Rhizome				--
8	FRUCTOSE	Rhizome		25000.0	-0.662945600104255	--
7	FUMARIC-ACID	Rhizome				--
62	GALLIC-ACID	Flower				--
34	HELENALIN	Plant				--
2	HELENIEN	Flower				--
0	HEPTADECATRIEN-(1,7,9)- TRIIN-(11,13,15)	Flower				--
7	HISPIDULIN	Flower				--
19	INULIN	Rhizome	90000.0	120000.0	1.0	--
19	INULIN	Flower				--
2	ISOBUTYRIC-ACID	Rhizome				--
0	ISOBUTYRIC- ACIDPHLORYLESTER	Rhizome				--
22	ISOQUERCITRIN	Flower				--
0	LACINIATIN	Flower				--
8	LACTIC-ACID	Rhizome				--
7	LAURIC-ACID	Flower				--
15	LUTEIN	Flower				--
78	LUTEOLIN	Flower				--
0	LUTEOLIN-7-O- MONOGLUCOSIDE	Flower				--
0	M-PHLOROL-METHYL- ETHER	Rhizome				--
15	MALIC-ACID	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	MUCILAGE	Rhizome				--
13	PALMITIC-ACID	Flower				--
2	PATULETIN	Flower				--
0	PENTAIN-ON	Flower				--
2	PHYTOSTEROLS	Flower				--
0	QUERCETIN-3-GLUCO-GALACURONIDE	Flower				--
0	REDUCING-SUGARS	Rhizome		5000.0	-1.0	--
0	SPINACETIN	Flower				--
8	STEARIC-ACID	Flower				--
7	SUCCINIC-ACID	Rhizome				--
14	SUCROSE	Rhizome		10000.0	-0.889354596263753	--
2	TARAXASTEROL	Flower				--
71	THYMOL	Flower				--
0	THYMOL-HYDROQUINONE-DIMETHYL-ETHER	Rhizome				--
0	THYMOL-METHYL-ETHER	Flower				--
0	TRIDECADIEN-(1,11)-TETRAIN-(3,5,7,9)	Flower				--
0	TRIDECADIEN-(3,5)-TRIIN-(7,9,11)-OL-(1)-ACETATE	Flower				--
0	TRIDECAEN-TETRAIN	Rhizome				--
0	TRIDECAPENTAIN	Rhizome				--
0	TRIDECATRIEN-(1,3,5)-TRIIN-(7,9,11)	Flower				--
0	TRIDECEN-(1)-PENTAIN(3,5,7,9,11)	Flower				--
1	TRIMETHYLAMINE	Flower				--
3	XANTHOPHYLL	Flower				--
0	XANTHOPHYLL-EPOXIDE	Flower				--
5	ZEAXANTHIN	Flower				--