

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in *Arnica montana***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	ANGELIC-ACID	Rhizome	--	--		
1	ARNICOLIDE	Leaf	--	--		
1	ARNIDIOL	Flower	--	--		
7	ASTRAGALIN	Flower	--	--		
47	BETA-SITOSTEROL	Flower	--	--		
14	BETAINE	Flower	--	--		
102	CAFFEIC-ACID	Flower	--	--		
77	CHLOROGENIC-ACID	Flower	--	--		
20	CHOLINE	Flower	--	--		
9	DIHYDROHELENALIN	Plant	--	--		
2	FARADIOL	Flower	--	--		
13	FORMIC-ACID	Rhizome	--	--		
8	FRUCTOSE	Rhizome	25000	25000	-0.662945600104255	
7	FUMARIC-ACID	Rhizome	--	--		
62	GALLIC-ACID	Flower	--	--		
34	HELENALIN	Plant	--	--		
2	HELENIEN	Flower	--	--		
7	HISPIDULIN	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
19	INULIN	Flower	--	--		
19	INULIN	Rhizome	90000	120000	1	
2	ISOBUTYRIC-ACID	Rhizome	--	--		
22	ISOQUERCITRIN	Flower	--	--		
8	LACTIC-ACID	Rhizome	--	--		
7	LAURIC-ACID	Flower	--	--		
15	LUTEIN	Flower	--	--		
78	LUTEOLIN	Flower	--	--		
15	MALIC-ACID	Flower	--	--		
3	MUCILAGE	Rhizome	--	--		
13	PALMITIC-ACID	Flower	--	--		
2	PATULETIN	Flower	--	--		
2	PHYTOSTEROLS	Flower	--	--		
8	STEARIC-ACID	Flower	--	--		
7	SUCCINIC-ACID	Rhizome	--	--		
14	SUCROSE	Rhizome	10000	10000	-0.889354596263753	
2	TARAXASTEROL	Flower	--	--		
71	THYMOL	Flower	--	--		
1	TRIMETHYLAMINE	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	XANTHOPHYLL	Flower	--	--		
5	ZEAXANTHIN	Flower	--	--		