

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Inula helenium

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
176	QUERCETIN	Inflorescence				--
112	ASCORBIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
112	ASCORBIC-ACID	Root	4.4	20.0	-0.6345406922681753	--
77	ZINC	Plant				--
77	ZINC	Root	1.0	3.9	-0.888135144785512	--
65	MAGNESIUM	Root	1650.0	7500.0	2.627774557100011	--
60	SELENIUM	Root				--
53	BETA-CAROTENE	Root				--
47	BETA-SITOSTEROL	Root				--
44	SCOPOLETIN	Shoot				--
44	SCOPOLETIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
39	NIACIN	Root	15.0	70.0	0.5727223514607939	--
36	ALANTOLACTONE	Root Essent. Oil				--
36	ALANTOLACTONE	Rhizome	5000.0	15100.0		--
36	ALANTOLACTONE	Plant				--
36	ALANTOLACTONE	Root	435.0	1740.0		--
34	HELENALIN	Root				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
28	CALCIUM	Root	2200.0	10000.0	0.28443978784453666	--
24	CHROMIUM	Root	0.2	1.0	-0.3606264349739525	--
22	UMBELLIFERONE	Shoot				--
22	UMBELLIFERONE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
19	INULIN	Root	99000.0	450000.0	0.7427321953048467	--
15	RIBOFLAVIN	Root	0.7	3.2	-0.19138745982624014	--
14	POTASSIUM	Root	2222.0	10100.0	-0.41581998331162273	--
14	MANGANESE	Root	0.2	0.8	-0.5363206240063116	--
14	MANGANESE	Plant				--
13	ISOALANTOLACTONE	Plant				--
13	ISOALANTOLACTONE	Shoot		13.0		--
13	ISOALANTOLACTONE	Root Essent. Oil				--
13	ISOALANTOLACTONE	Rhizome	9900.0	19400.0		--
13	ISOALANTOLACTONE	Essential Oil				--
13	ISOALANTOLACTONE	Root	1305.0	5215.0		--
12	COPPER	Plant				--
12	STIGMASTEROL	Root				--
10	AZULENE	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	COSTUNOLIDE	Shoot		20.0	1.0	--
8	INOSITOL	Leaf				--
6	IRON	Plant				--
6	IRON	Root	0.9	4.0	-0.43584204309243646	--
5	ALUMINUM	Plant				--
5	HELENIN	Plant				--
5	HELENIN	Root		15600.0		--
4	PHOSPHORUS	Root	330.0	1500.0	-0.3545362125680356	--
4	3-METHYLQUERCETIN	Inflorescence				--
4	PHOSPHORUS	Plant				--
4	SILICON	Root				--
3	NICKEL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	DAMMARADIENOL	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	MUCILAGE	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
2	GERMACRENE-D	Root				Abstract (See species file)
2	FRIEDELIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	FRIEDELIN	Root Essent. Oil				--
2	DIHYDROISOALANTOLACT ONE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	MOLYBDENUM	Plant				--
2	COBALT	Root	0.4	1.8	-0.5061395402470722	--
2	DIHYDROISOALANTOLACT ONE	Plant				--
2	DIHYDROISOALANTOLACT ONE	Rhizome				--
2	DIHYDROISOALANTOLACT ONE	Root				--
2	CAMPESTEROL	Root				--
1	2-ALPHA-HYDROXYALANTOLACTONE	Shoot		56.0		--
1	SODIUM	Root	128.0	580.0	-0.24271578706308006	--
1	CARABRONE	Plant				--
1	CARABRONE	Shoot	34.0	40.0		--