

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Inula helenium

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
19	INULIN	Root	99000.0	450000.0	0.7427321953048467	--
13	ISOALANTOLACTONE	Rhizome	9900.0	19400.0		--
36	ALANTOLACTONE	Rhizome	5000.0	15100.0		--
14	POTASSIUM	Root	2222.0	10100.0	-0.41581998331162273	--
28	CALCIUM	Root	2200.0	10000.0	0.28443978784453666	--
65	MAGNESIUM	Root	1650.0	7500.0	2.627774557100011	--
13	ISOALANTOLACTONE	Root	1305.0	5215.0		--
36	ALANTOLACTONE	Root	435.0	1740.0		--
4	PHOSPHORUS	Root	330.0	1500.0	-0.3545362125680356	--
1	SODIUM	Root	128.0	580.0	-0.24271578706308006	--
1	CARABRONE	Shoot	34.0	40.0		--
39	NIACIN	Root	15.0	70.0	0.5727223514607939	--
112	ASCORBIC-ACID	Root	4.4	20.0	-0.6345406922681753	--
77	ZINC	Root	1.0	3.9	-0.888135144785512	--
6	IRON	Root	0.9	4.0	-0.43584204309243646	--
15	RIBOFLAVIN	Root	0.7	3.2	-0.19138745982624014	--
2	COBALT	Root	0.4	1.8	-0.5061395402470722	--
24	CHROMIUM	Root	0.2	1.0	-0.3606264349739525	--
14	MANGANESE	Root	0.2	0.8	-0.5363206240063116	--
12	COPPER	Plant				--
22	UMBELLIFERONE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
47	BETA-SITOSTEROL	Root				--
2	MOLYBDENUM	Plant				--
13	ISOALANTOLACTONE	Essential Oil				--
12	STIGMASTEROL	Root				--

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10	AZULENE	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	MANGANESE	Plant				--
5	HELENIN	Plant				--
44	SCOPOLETIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
112	ASCORBIC-ACID	Leaf				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	--
4	SILICON	Root				--
2	DIHYDROISOALANTOLACT ONE	Plant				--
1	CARABRONE	Plant				--
60	SELENIUM	Root				--
2	DIHYDROISOALANTOLACT ONE	Rhizome				--
53	BETA-CAROTENE	Root				--
2	DIHYDROISOALANTOLACT ONE	Root				--
5	HELENIN	Root		15600.0		--
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	CAMPESTEROL	Root				--
36	ALANTOLACTONE	Root Essent. Oil				--
77	ZINC	Plant				--

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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.
44	SCOPOLETIN	Shoot				--
5	ALUMINUM	Plant				--
4	3-METHYLQUERCETIN	Inflorescence				--
2	GERMACRENE-D	Root				Abstract (See species file)
13	ISOALANTOLACTONE	Plant				--
1	2-ALPHA-HYDROXYALANTOLACTONE	Shoot		56.0		--
36	ALANTOLACTONE	Plant				--
176	QUERCETIN	Inflorescence				--
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				--
13	ISOALANTOLACTONE	Shoot		13.0		--
22	UMBELLIFERONE	Shoot				--
4	PHOSPHORUS	Plant				--
2	DIHYDROISOALANTOLACTONE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Plant				--
13	ISOALANTOLACTONE	Root Essent. Oil				--
8	INOSITOL	Leaf				--
3	DAMMARADIENOL	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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3	NICKEL	Plant				--