

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Nepeta cataria*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	NEPETALACTONE	Essential Oil	600000.0	999000.0		--
14	POTASSIUM	Plant	2820.0	23500.0	0.11874970786708418	--
28	CALCIUM	Plant	739.0	6160.0	-0.7946970246293654	--
4	PHOSPHORUS	Plant	289.0	2410.0	-0.5663882644151227	--
8	CARYOPHYLLENE-OXIDE	Plant	285.0	2365.0	4.032095440217275	Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip (<i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. <i>J. Ess. Oil Res.</i> , 5: 159-167.
65	MAGNESIUM	Plant	248.0	2070.0	-0.6197173176801558	--
7	PIPERITONE	Plant	50.0	195.0	-0.49415366947045464	Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip (<i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. <i>J. Ess. Oil Res.</i> , 5: 159-167.
31	CARYOPHYLLENE	Plant	40.0	3200.0	3.663534141225774	--
5	ALUMINUM	Plant	30.0	250.0	-0.259853641335612	--
5	NEPETALACTONE	Plant	25.0	9900.0		--
2	ALPHA-HUMULENE	Plant	18.0	170.0	0.8843423750700136	Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip (<i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. <i>J. Ess. Oil Res.</i> , 5: 159-167.
6	IRON	Plant	17.0	138.0	-0.5757891134070537	--
41	CAMPHOR	Plant	16.0	80.0	-0.6132983644159371	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	CIS-OCIMENE	Plant	10.0	50.0	-0.33940956972519376	--
22	MYRCENE	Plant	8.0	40.0	-0.4321564145331576	--
14	MANGANESE	Plant	5.0	37.4	-0.42685217500006484	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	BETA-ELEMENE	Plant	4.0	155.0	0.09810278553693051	Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip (<i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. <i>J. Ess. Oil Res.</i> , 5: 159-167.
53	BETA-CAROTENE	Plant	3.0	24.0	-0.5971978580241307	--
60	SELENIUM	Plant	2.0	12.3	0.12139951353466857	--
2	COBALT	Plant	1.4	11.8	-0.09193038682910333	--
4	TIN	Plant	1.3	11.0	-0.6692895216686466	--
15	RIBOFLAVIN	Plant	0.4	3.6	-0.5443703368356911	--
24	CHROMIUM	Plant	0.3	2.7	-0.6113918491402526	--
1	PENTADECANOIC-ACID	Seed Oil				--
47	BETA-SITOSTEROL	Shoot		900.0	1.3584708811769088	--
20	CITRONELLAL	Plant				Williamson, E. M. and Evans, F. J., <i>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.</i>
18	OLEIC-ACID	Seed Oil				--
5	NEPETALACTONE	Tissue Culture				--
57	ROSMARINIC-ACID	Inflorescence		2000.0	-1.4970192502235884	--
53	CITRAL	Plant				--
10	NEROL	Plant				Williamson, E. M. and Evans, F. J., <i>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.</i>
35	GERANIOL	Essential Oil		255000.0	2.072634270981816	--
13	PALMITIC-ACID	Seed Oil				--
77	ZINC	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	NEROL	Essential Oil		276000.0	1.407686585025154	--
39	NIACIN	Plant				--
71	THYMOL	Plant				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.
6	MYRISTIC-ACID	Seed Oil				--
37	CARVACROL	Plant				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.
1	SODIUM	Plant				--
112	ASCORBIC-ACID	Plant				--
7	LAURIC-ACID	Seed Oil				--
89	URSOLIC-ACID	Plant				--
4	SILICON	Plant				--
60	LIMONENE	Leaf				--
27	LINOLEIC-ACID	Seed Oil		180000.0	-0.8302018822935633	--
35	GERANIOL	Leaf				--
60	LIMONENE	Plant				--
89	URSOLIC-ACID	Shoot		10300.0	1.8174623226218731	--
15	CITRONELLOL	Essential Oil		126000.0	0.5224569028073494	--
1	IRIDOIDS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
57	ROSMARINIC-ACID	Plant		2000.0	-1.6031579162806906	Fitoterapia No.62: 166.
35	TANNIN	Leaf				--

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35	GERANIOL	Plant				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	PULEGONE	Plant				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.
47	BETA-SITOSTEROL	Plant				--
8	STEARIC-ACID	Seed Oil				--