

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Nepeta cataria*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Plant				--
0	WATER	Plant		880000.0	0.4669306256137165	--
89	URSOLIC-ACID	Shoot		10300.0	1.8174623226218731	--
89	URSOLIC-ACID	Plant				--
0	TRANS-TRANS-NEPETONIC-ACID-METHYL-ESTER	Plant				--
0	TRANS-OCIMENE	Plant	4.0	20.0	-0.8971669237479382	--
0	TRANS-CIS-NEPETONIC-ACID-METHYL-ESTER	Plant				--
4	TIN	Plant	1.3	11.0	-0.6692895216686466	--
0	THYMOL-METHYL-ETHER	Plant	8.0	115.0	-0.45727181997569605	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.
71	THYMOL	Plant				Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	THIAMINE	Plant				--
0	TANNINS	Plant				Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
35	TANNIN	Leaf				--
8	STEARIC-ACID	Seed Oil				--
1	SODIUM	Plant				--
4	SILICON	Plant				--
60	SELENIUM	Plant	2.0	12.3	0.12139951353466857	--
57	ROSMARINIC-ACID	Plant		2000.0	-1.6031579162806906	Fitoterapia No.62: 166.
57	ROSMARINIC-ACID	Inflorescence		2000.0	-1.4970192502235884	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	RIBOFLAVIN	Plant	0.4	3.6	-0.5443703368356911	--
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.
0	PROTEIN	Seed		184000.0	-0.44296180891687065	--
0	PROTEIN	Plant	11760.0	98000.0	-0.6184344816446848	--
14	POTASSIUM	Plant	2820.0	23500.0	0.11874970786708418	--
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.
4	PHOSPHORUS	Plant	289.0	2410.0	-0.5663882644151227	--
0	PETROSELINIC-ACID	Seed Oil				--
1	PENTADECANOIC-ACID	Seed Oil				--
13	PALMITIC-ACID	Seed Oil				--
18	OLEIC-ACID	Seed Oil				--
39	NIACIN	Plant				--
10	NEROL	Essential Oil		276000.0	1.407686585025154	--
10	NEROL	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.
0	NEPETOL-GLUCOSIDE-ESTER	Plant				--
0	NEPETOL GLUCOSYL ESTER	Leaf		750.0		--
0	NEPETOL	Plant				--
0	NEPETOGLUCOSYLESTER	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NEPETASIDE	Shoot		126.6		--
0	NEPETARIASIDE	Shoot		20.0		--
0	NEPETARIASIDE	Plant				--
0	NEPETALIC-ANHYDRIDE	Plant	1080.0	4680.0		--
0	NEPETALIC-ACID	Essential Oil		1240.0		--
0	NEPETALIC-ACID	Plant	300.0	1300.0		--
0	NEPETALACTONE-N1	Plant	25.0	7400.0		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. J. Ess. Oil Res., 5: 159-167.
5	NEPETALACTONE	Tissue Culture				--
5	NEPETALACTONE	Essential Oil	600000.0	999000.0		--
5	NEPETALACTONE	Plant	25.0	9900.0		--
0	NEONEPETALACTONE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
6	MYRISTIC-ACID	Seed Oil				--
22	MYRCENE	Plant	8.0	40.0	-0.4321564145331576	--
0	METHYL-NEPETALACTONE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	MANGANESE	Plant	5.0	37.4	-0.42685217500006484	--
65	MAGNESIUM	Plant	248.0	2070.0	-0.6197173176801558	--
0	LINOLENIC-ACID	Seed Oil		570000.0	1.001405288741951	--
27	LINOLEIC-ACID	Seed Oil		180000.0	-0.8302018822935633	--
60	LIMONENE	Leaf				--
60	LIMONENE	Plant				--
7	LAURIC-ACID	Seed Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ISOTRIDECANOIC ACID	Seed Oil				--
0	ISOMARGARIC ACID	Seed Oil				--
0	ISODIHYDRONEPETALACT ONE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Plant	17.0	138.0	-0.5757891134070537	--
1	IRIDIODS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	HUMULENENEPETALIC-ANHYDRIDE	Plant				--
0	HUMULENE-OXIDE-I	Plant	22.0	210.0		Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip (Nepeta cataria L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. J. Ess. Oil Res., 5: 159-167.
35	GERANIOL	Essential Oil		255000.0	2.072634270981816	--
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.
35	GERANIOL	Leaf				--
0	FIBER(CRUDE)	Plant		10000.0	-1.7402695850490997	--
0	FAT	Seed		212000.0	-0.28121153976391855	--
0	EPINEPETALACTONE	Essential Oil	1000.0	400000.0		--
0	EPINEPETALACTONE	Plant	10.0	4000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

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0	EO	Plant	2000.0	13000.0	0.24784835906684596	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. J. Ess. Oil Res., 5: 159-167.
0	DIMETHYL-3,7-OXA-1-BICYCLO(3,3,0)OCT-2-ENE	Plant	15.0	90.0		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. J. Ess. Oil Res., 5: 159-167.
0	DIHYDRONEPETALACTON E-N3	Plant	34.0	260.0		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. J. Ess. Oil Res., 5: 159-167.
0	DIHYDRONEPETALACTON E	Plant	6.0	30.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	COBALT	Plant	1.4	11.8	-0.09193038682910333	--
15	CITRONELLOL	Essential Oil		126000.0	0.5224569028073494	--
20	CITRONELLAL	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.
53	CITRAL	Plant				--
3	CIS-OCIMENE	Plant	10.0	50.0	-0.33940956972519376	--
24	CHROMIUM	Plant	0.3	2.7	-0.6113918491402526	--
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. J. Ess. Oil Res., 5: 159-167.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	CARYOPHYLLENE	Plant	40.0	3200.0	3.663534141225774	--
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.
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.
28	CALCIUM	Plant	739.0	6160.0	-0.7946970246293654	--
47	BETA-SITOSTEROL	Plant				--
47	BETA-SITOSTEROL	Shoot		900.0	1.3584708811769088	--
0	BETA-NEPETALACTONE	Plant	125.0	2730.0		--
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. J. Ess. Oil Res., 5: 159-167.
0	BETA-CARYOPHYLLENE	Plant		1800.0	1.4674777688994798	--
53	BETA-CAROTENE	Plant	3.0	24.0	-0.5971978580241307	--
0	ASH	Plant	6000.0	50000.0	-1.2829120575506618	--
112	ASCORBIC-ACID	Plant				--
5	ALUMINUM	Plant	30.0	250.0	-0.259853641335612	--
0	ALPHA-NEPETALACTONE	Plant	125.0	2730.0		--
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. J. Ess. Oil Res., 5: 159-167.

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0	7-DEOXYLOGANIC-ACID	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.
0	5-EPIDEOXYLOGANIC-ACID	Plant				--
0	5,9-DEHYDRONEPETALACTONE	Plant				--
0	4-(A)-ALPHA-7-ALPHA-7-(A)-ALPHA-NEPETALACTONE	Essential Oil				--
0	4-(A)-ALPHA-7-ALPHA-(A)-BETA-NEPETALACTONE	Essential Oil				--
0	4-(A)-ALPHA-7-ALPHA-(A)-BETA-NEPETALACTONE	Plant				--
0	3-HEXENYL-ESTER	Plant	18.0	155.0		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. J. Ess. Oil Res., 5: 159-167.
0	3-HEXENYL-BENZOATE	Plant	4.0	39.0		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. J. Ess. Oil Res., 5: 159-167.
0	1-5-9-EPI-DEOXYLOGANIC ACID	Shoot		433.3		--
0	1-5-9-EPI-DEOXYLOGANIC ACID	Plant				--
0	(E)-BETA-FARNESENE	Plant	16.0	260.0	1.4141801590412364	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. J. Ess. Oil Res., 5: 159-167.
0	(1R,5R,8S,9S)-DEOXYLOGANIC-ACID	Plant				--