

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Nepeta cataria*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
31	CARYOPHYLLENE	Plant	40.0	3200.0	3.663534141225774	--
35	GERANIOL	Essential Oil		255000.0	2.072634270981816	--
89	URSOLIC-ACID	Shoot		10300.0	1.8174623226218731	--
0	BETA-CARYOPHYLLENE	Plant		1800.0	1.4674777688994798	--
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. <i>J. Ess. Oil Res.</i> , 5: 159-167.
10	NEROL	Essential Oil		276000.0	1.407686585025154	--
47	BETA-SITOSTEROL	Shoot		900.0	1.3584708811769088	--
0	LINOLENIC-ACID	Seed Oil		570000.0	1.001405288741951	--
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.
15	CITRONELLOL	Essential Oil		126000.0	0.5224569028073494	--
0	WATER	Plant		880000.0	0.4669306256137165	--
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. <i>J. Ess. Oil Res.</i> , 5: 159-167.
60	SELENIUM	Plant	2.0	12.3	0.12139951353466857	--
14	POTASSIUM	Plant	2820.0	23500.0	0.11874970786708418	--

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.
2	COBALT	Plant	1.4	11.8	-0.09193038682910333	--
5	ALUMINIUM	Plant	30.0	250.0	-0.259853641335612	--
0	FAT	Seed		212000.0	-0.28121153976391855	--
3	CIS-OCIMENE	Plant	10.0	50.0	-0.33940956972519376	--
14	MANGANESE	Plant	5.0	37.4	-0.42685217500006484	--
22	MYRCENE	Plant	8.0	40.0	-0.4321564145331576	--
0	PROTEIN	Seed		184000.0	-0.44296180891687065	--
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.
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.
15	RIBOFLAVIN	Plant	0.4	3.6	-0.5443703368356911	--
4	PHOSPHORUS	Plant	289.0	2410.0	-0.5663882644151227	--
6	IRON	Plant	17.0	138.0	-0.5757891134070537	--
53	BETA-CAROTENE	Plant	3.0	24.0	-0.5971978580241307	--
24	CHROMIUM	Plant	0.3	2.7	-0.6113918491402526	--
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.
0	PROTEIN	Plant	11760.0	98000.0	-0.6184344816446848	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
65	MAGNESIUM	Plant	248.0	2070.0	-0.6197173176801558	--
4	TIN	Plant	1.3	11.0	-0.6692895216686466	--
28	CALCIUM	Plant	739.0	6160.0	-0.7946970246293654	--
27	LINOLEIC-ACID	Seed Oil		180000.0	-0.8302018822935633	--
0	TRANS-OCIMENE	Plant	4.0	20.0	-0.8971669237479382	--
0	ASH	Plant	6000.0	50000.0	-1.2829120575506618	--
57	ROSMARINIC-ACID	Inflorescence		2000.0	-1.4970192502235884	--
57	ROSMARINIC-ACID	Plant		2000.0	-1.6031579162806906	Fitoterapia No.62: 166.
0	FIBER(CRUDE)	Plant		10000.0	-1.7402695850490997	--
0	ALPHA-NEPETALACTONE	Plant	125.0	2730.0		--
35	GERANIOL	Leaf				--
89	URSOLIC-ACID	Plant				--
0	PETROSELINIC-ACID	Seed Oil				--
0	TRANS-CIS-NEPETONIC-ACID-METHYL-ESTER	Plant				--
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.
0	4-(A)-ALPHA-7-ALPHA-(A)-BETA-NEPETALACTONE	Plant				--
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.
0	METHYL-NEPETALACTONE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TANNINS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(1R,5R,8S,9S)-DEOXYLOGANIC-ACID	Plant				--
13	PALMITIC-ACID	Seed Oil				--
0	1-5-9-EPI-DEOXYLOGANIC ACID	Plant				--
18	OLEIC-ACID	Seed Oil				--
0	NEPETOL GLUCOSYL ESTER	Leaf		750.0		--
0	NEPETOL-GLUCOSIDE-ESTER	Plant				--
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. <i>J. Ess. Oil Res.</i> , 5: 159-167.
1	PENTADECANOIC-ACID	Seed Oil				--
10	NEROL	Plant				Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed.</i> , Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
112	ASCORBIC-ACID	Plant				--
0	NEONEPETALACTONE	Plant				Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	NEPETASIDE	Shoot		126.6		--
0	NEPETARIASIDE	Shoot		20.0		--
71	THYMOL	Plant				Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed.</i> , Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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. <i>J. Ess. Oil Res.</i> , 5: 159-167.
5	NEPETALACTONE	Tissue Culture				--
0	NEPETOL	Plant				--
60	LIMONENE	Leaf				--
60	LIMONENE	Plant				--
0	NEPETALIC-ACID	Essential Oil		1240.0		--
28	PULEGONE	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.
1	SODIUM	Plant				--
0	DIHYDRONEPETALACTON E	Plant	6.0	30.0		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	4-(A)-ALPHA-7-ALPHA-7-(A)-ALPHA-NEPETALACTONE	Essential Oil				--
0	NEPETOGLUCOSYLESTER	Plant				--
1	IRIDOIDS	Plant				Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	EPINEPETALACTONE	Essential Oil	1000.0	400000.0		--
4	SILICON	Plant				--
0	4-(A)-ALPHA-7-ALPHA-(A)-BETA-NEPETALACTONE	Essential Oil				--
5	NEPETALACTONE	Essential Oil	600000.0	999000.0		--
0	NEPETARIASIDE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	ISOTRIDECANOIC ACID	Seed Oil				--
0	ISODIHYDRONEPETALACTONE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HUMULENENEPETALIC-ANHYDRIDE	Plant				--
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.
6	MYRISTIC-ACID	Seed Oil				--
0	NEPETALIC-ANHYDRIDE	Plant	1080.0	4680.0		--
0	5-EPIDEOXYLOGANIC-ACID	Plant				--
35	TANNIN	Leaf				--
47	BETA-SITOSTEROL	Plant				--
53	CITRAL	Plant				--
0	THIAMINE	Plant				--
0	ISOMARGARIC ACID	Seed Oil				--
0	NEPETALIC-ACID	Plant	300.0	1300.0		--
0	5,9-DEHYDRONEPETALACTONE	Plant				--
8	STEARIC-ACID	Seed Oil				--
77	ZINC	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HUMULENE-OXIDE-I	Plant	22.0	210.0		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. <i>J. Ess. Oil Res.</i> , 5: 159-167.
0	1-5-9-EPI-DEOXYLOGANIC ACID	Shoot		433.3		--
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. <i>J. Ess. Oil Res.</i> , 5: 159-167.
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. <i>J. Ess. Oil Res.</i> , 5: 159-167.
0	BETA-NEPETALACTONE	Plant	125.0	2730.0		--
0	TRANS-TRANS-NEPETONIC-ACID-METHYL-ESTER	Plant				--
35	GERANIOL	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.
39	NIACIN	Plant				--
7	LAURIC-ACID	Seed Oil				--
5	NEPETALACTONE	Plant	25.0	9900.0		--
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. <i>J. Ess. Oil Res.</i> , 5: 159-167.