

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Nepeta cataria*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(1R,5R,8S,9S)-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. <i>J. Ess. Oil Res.</i> , 5: 159-167.
0	1-5-9-EPI-DEOXYLOGANIC ACID	Shoot		433.3		--
0	1-5-9-EPI-DEOXYLOGANIC ACID	Plant				--
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.
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	4-(A)-ALPHA-7-ALPHA-(A)-BETA-NEPETALACTONE	Plant				--
0	4-(A)-ALPHA-7-ALPHA-(A)-BETA-NEPETALACTONE	Essential Oil				--
0	4-(A)-ALPHA-7-ALPHA-7-(A)-ALPHA-NEPETALACTONE	Essential Oil				--
0	5,9-DEHYDRONEPETALACTONE	Plant				--
0	5-EPIDEOXYLOGANIC-ACID	Plant				--
0	7-DEOXYLOGANIC-ACID	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.

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

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. J. Ess. Oil Res., 5: 159-167.
24	CHROMIUM	Plant	0.3	2.7	-0.6113918491402526	--
3	CIS-OCIMENE	Plant	10.0	50.0	-0.33940956972519376	--
53	CITRAL	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.
15	CITRONELLOL	Essential Oil		126000.0	0.5224569028073494	--
2	COBALT	Plant	1.4	11.8	-0.09193038682910333	--
0	DIHYDRONEPETALACTONE	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.
0	DIHYDRONEPETALACTONE-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	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	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	EPINEPETALACTONE	Essential Oil	1000.0	400000.0		--
0	FAT	Seed		212000.0	-0.28121153976391855	--
0	FIBER(CRUDE)	Plant		10000.0	-1.7402695850490997	--
35	GERANIOL	Leaf				--
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.
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. J. Ess. Oil Res., 5: 159-167.
0	HUMULENENEPETALIC-ANHYDRIDE	Plant				--
1	IRIDOIDS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
6	IRON	Plant	17.0	138.0	-0.5757891134070537	--
0	ISODIHYDRONEPETALACTONE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ISOMARGARIC ACID	Seed Oil				--
0	ISOTRIDECANOIC ACID	Seed Oil				--
7	LAURIC-ACID	Seed Oil				--
60	LIMONENE	Leaf				--

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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NEPETOL GLUCOSYL ESTER	Leaf		750.0		--
0	NEPETOL-GLUCOSIDE-ESTER	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.
39	NIACIN	Plant				--
18	OLEIC-ACID	Seed Oil				--
13	PALMITIC-ACID	Seed Oil				--
1	PENTADECANOIC-ACID	Seed Oil				--
0	PETROSELINIC-ACID	Seed Oil				--
4	PHOSPHORUS	Plant	289.0	2410.0	-0.5663882644151227	--
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. J. Ess. Oil Res., 5: 159-167.
14	POTASSIUM	Plant	2820.0	23500.0	0.11874970786708418	--
0	PROTEIN	Plant	11760.0	98000.0	-0.6184344816446848	--
0	PROTEIN	Seed		184000.0	-0.44296180891687065	--
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.
15	RIBOFLAVIN	Plant	0.4	3.6	-0.5443703368356911	--
57	ROSMARINIC-ACID	Inflorescence		2000.0	-1.4970192502235884	--
57	ROSMARINIC-ACID	Plant		2000.0	-1.6031579162806906	Fitoterapia No.62: 166.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	SELENIUM	Plant	2.0	12.3	0.12139951353466857	--
4	SILICON	Plant				--
1	SODIUM	Plant				--
8	STEARIC-ACID	Seed Oil				--
35	TANNIN	Leaf				--
0	TANNINS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	THIAMINE	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.
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.
4	TIN	Plant	1.3	11.0	-0.6692895216686466	--
0	TRANS-CIS-NEPETONIC-ACID-METHYL-ESTER	Plant				--
0	TRANS-OCIMENE	Plant	4.0	20.0	-0.8971669237479382	--
0	TRANS-TRANS-NEPETONIC-ACID-METHYL-ESTER	Plant				--
89	URSOLIC-ACID	Plant				--
89	URSOLIC-ACID	Shoot		10300.0	1.8174623226218731	--
0	WATER	Plant		880000.0	0.4669306256137165	--
77	ZINC	Plant				--