

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Centella asiatica

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	ZINC	Leaf	0.4	3.4	-0.5059022324796413	--
77	ZINC	Bark		3.4	-0.9069023286651865	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	TRANS-BETA-FARNESENE	Plant				--
1	TOLUENE	Shoot				Jim Duke's personal files.
4	TIN	Leaf	1.3	12.0	-0.4331991239429111	--
31	THIAMIN	Leaf	1.5	14.0	1.1869303740705777	--
35	TANNIN	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.
12	STIGMASTEROL	Plant		40.0	-0.8073781309648732	=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
12	STIGMASTEROL	Essential Oil		2000.0		Jim Duke's personal files.
8	STEARIC-ACID	Plant				--
1	SODIUM	Leaf	1113.0	10400.0	1.1998266498363401	--
4	SILICON	Leaf	1.5	14.0	-0.37155124751733193	--
60	SELENIUM	Leaf	0.1	1.2	-0.29034536355768803	--
5	SAPONINS	Leaf	268.0	2500.0	-1.0907412926645894	--
15	RIBOFLAVIN	Leaf	1.4	13.0	-0.11692421020247182	--
1	RAFFINOSE	Plant				--
176	QUERCETIN	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	PYRIDINE	Shoot				Jim Duke's personal files.
14	POTASSIUM	Leaf	414.0	3870.0	-1.169036049980163	--
4	PHOSPHORUS	Leaf	300.0	2800.0	-0.39951935749949974	--
4	PHELLANDRENE	Plant				Jim Duke's personal files.
24	PECTIN	Leaf	6420.0	60000.0	0.848030969096559	--
13	PALMITIC-ACID	Plant				--
2	OXYASIATICOSIDE	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.
18	OLEIC-ACID	Plant				--
39	NIACIN	Leaf	12.0	112.0	0.17636268788895457	--
11	NEROLIDOL	Shoot				Jim Duke's personal files.
10	NEROL	Shoot				Jim Duke's personal files.
22	MYRCENE	Shoot				Jim Duke's personal files.
22	MYRCENE	Essential Oil		6000.0	-0.3653970753458515	Jim Duke's personal files.
2	METHANOL	Plant				--
14	MANGANESE	Leaf	3.0	27.7	-0.41383578503505414	--
65	MAGNESIUM	Leaf	342.0	3200.0	-0.3574611579280929	--
2	MADECASSOSIDE	Shoot				Jim Duke's personal files.
2	MADECASSOSIDE	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
27	LINOLEIC-ACID	Plant				--
53	LINALOOL	Shoot				Jim Duke's personal files.
60	LIMONENE	Shoot				Jim Duke's personal files.
1	LIGNOCERIC-ACID	Plant				--
75	KAEMPFEROL	Leaf				Jim Duke's personal files.

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75	KAEMPFEROL	Plant				--
22	ISOQUERCITRIN	Leaf				Jim Duke's personal files.
6	IRON	Leaf	3.0	29.0	-0.8470707525252408	--
8	INOSITOL	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
12	GLYCINE	Plant				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
8	GLUTAMIC-ACID	Plant				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
7	GLUCOSE	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	GERMACRENE-D	Plant				--
2	GERMACRENE-D	Shoot				Jim Duke's personal files.
2	GERMACRENE-D	Essential Oil		160000.0	1.0	Jim Duke's personal files.
35	GERANIOL	Shoot				Jim Duke's personal files.
11	GAMMA-TERPINENE	Shoot				Jim Duke's personal files.
11	GAMMA-TERPINENE	Essential Oil		4000.0	-0.767502970243684	Jim Duke's personal files.
15	FIBER	Leaf	20000.0	187000.0	0.3149049121779396	--
17	FARNESOL	Shoot				Jim Duke's personal files.

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2	ELAIDIC-ACID	Plant				--
9	DELTA-CADINENE	Shoot				Jim Duke's personal files.
2	COBALT	Leaf	0.8	7.3	-0.2554961829884984	--
24	CHROMIUM	Leaf	0.1	1.0	-0.5613457205769528	--
8	CARYOPHYLENE-OXIDE	Shoot				Jim Duke's personal files.
41	CAMPHOR	Essential Oil				--
9	CAMPHENE	Shoot				Jim Duke's personal files.
2	CAMPESTEROL	Essential Oil		2000.0		Jim Duke's personal files.
2	CAMPESTEROL	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.
28	CALCIUM	Leaf	1700.0	15890.0	-0.17404285585996676	--
7	BRAHMOSIDE	Plant		3700.0		=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
8	BRAHMINOSIDE	Plant		1600.0		=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
22	BETULINIC-ACID	Plant		1100.0	-0.49265454919484347	Jim Duke's personal files.
47	BETA-SITOSTEROL	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

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47	BETA-SITOSTEROL	Essential Oil		2000.0	1.0	Jim Duke's personal files.
5	BETA-SESQUIPELLANDRENE	Shoot				Jim Duke's personal files.
13	BETA-PINENE	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.
13	BETA-PINENE	Essential Oil		2000.0	-0.6859771042347549	Jim Duke's personal files.
5	BETA-ELEMENE	Essential Oil		30000.0	-0.48593246550536906	Jim Duke's personal files.
5	BETA-ELEMENE	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
53	BETA-CAROTENE	Leaf	40.0	369.0	0.46903611401255635	--
6	BETA-BISABOLENE	Shoot				Jim Duke's personal files.
7	ASTRAGALIN	Leaf				Jim Duke's personal files.
3	ASPARTIC-ACID	Plant				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
19	ASIATICOSIDE	Shoot				Jim Duke's personal files.
19	ASIATICOSIDE	Leaf	700.0	1200.0		Jim Duke's personal files.
19	ASIATICOSIDE	Plant				--
1	ASIATIC-ACID	Plant				--
112	ASCORBIC-ACID	Leaf	40.0	374.0	-0.40921766271262444	--
112	ASCORBIC-ACID	Plant		138.0	-0.5612889938563121	--
5	ALUMINUM	Leaf	220.0	2060.0	1.430229610546625	--
23	ALPHA-TERPINEOL	Shoot				Jim Duke's personal files.

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28	ALPHA-PINENE	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.
28	ALPHA-PINENE	Shoot				Jim Duke's personal files.
28	ALPHA-PINENE	Essential Oil		2000.0	-0.5424708227492797	Jim Duke's personal files.
2	ALPHA-HUMULENE	Shoot				Jim Duke's personal files.
1	2,3-DIHYDROBENZOFURAN	Shoot				Jim Duke's personal files.