

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Ocimum tenuiflorum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	BETA-ELEMENE	Leaf	120.0	1080.0	5.252587581892528	--
8	CARYOPHYLLENE-OXIDE	Leaf	100.0	1260.0	5.030102690692117	--
6	BETA-BISABOLENE	Leaf	0.0	2970.0	2.806518767234007	--
9	SINAPIC-ACID	Leaf	530.0	550.0	2.2060948370416993	--
4	NERAL	Plant	350.0	3150.0	2.137938727232355	--
13	GERANIAL	Plant	350.0	3150.0	1.2324614847213144	--
28	CALCIUM	Leaf		31500.0	0.8925516886357363	=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
6	METHYL-CHAVICOL	Leaf	20.0	7030.0	0.7651583753679776	--
64	OLEANOLIC-ACID	Leaf	0.0	2180.0	0.48616864159101425	--
20	METHYL-EUGENOL	Leaf	130.0	7740.0	0.35597222575115295	--
15	FIBER	Plant		231700.0	0.06575363483630421	--
27	LINOLEIC-ACID	Seed		102455.0	-0.039989004070815404	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	EUGENOL-METHYL-ETHER	Leaf	1200.0	1400.0	-0.07470211141938432	--
2	ALPHA-HUMULENE	Leaf	9.0	205.0	-0.11985370698018302	--
76	EUGENOL	Leaf	45.0	5580.0	-0.16060006975880922	--
9	TERPINOLENE	Leaf		55.0	-0.162031523677454	Brophy, J.J., Goldsack, R.J., and Clarkson, J.R. 1993. The Essential Oil of <i>Ocimum tenuiflorum</i> L. (Lamiaceae) Growing in Northern Australia, J. Ess. Oil Res. 5: 459-461.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	CAMPHENE	Leaf		65.0	-0.16812373568216654	Brophy, J.J., Goldsack, R.J., and Clarkson, J.R. 1993. The Essential Oil of Ocimum tenuiflorum L. (Lamiaceae) Growing in Northern Australia, J. Ess. Oil Res. 5: 459-461.
22	MYRCENE	Leaf		8.0	-0.1697887250522355	Brophy, J.J., Goldsack, R.J., and Clarkson, J.R. 1993. The Essential Oil of Ocimum tenuiflorum L. (Lamiaceae) Growing in Northern Australia, J. Ess. Oil Res. 5: 459-461.
35	BORNEOL	Leaf		240.0	-0.17842991232276373	Brophy, J.J., Goldsack, R.J., and Clarkson, J.R. 1993. The Essential Oil of Ocimum tenuiflorum L. (Lamiaceae) Growing in Northern Australia, J. Ess. Oil Res. 5: 459-461.
37	CARVACROL	Leaf	180.0	210.0	-0.255092646921473	--
4	PHOSPHORUS	Leaf		3400.0	-0.28912717130270255	=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
60	LIMONENE	Leaf		145.0	-0.2952441192704643	Brophy, J.J., Goldsack, R.J., and Clarkson, J.R. 1993. The Essential Oil of Ocimum tenuiflorum L. (Lamiaceae) Growing in Northern Australia, J. Ess. Oil Res. 5: 459-461.
89	URSOLIC-ACID	Leaf	2520.0	4780.0	-0.3079735814491711	--
67	1,8-CINEOLE	Leaf	35.0	1710.0	-0.3102746079505654	--
112	ASCORBIC-ACID	Leaf		830.0	-0.3669066733430616	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	PALMITIC-ACID	Seed		10700.0	-0.47882533106086284	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	STEARIC-ACID	Seed		3255.0	-0.4947675932777038	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
78	LUTEOLIN	Leaf	190.0	460.0	-0.5612365860291112	=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
2	CARNOSIC-ACID	Leaf	150.0	230.0	-0.8320242089374966	--
18	OLEIC-ACID	Seed		13950.0	-0.8644230207227481	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
57	ROSMARINIC-ACID	Leaf	200.0	300.0	-0.9706508212994431	--
57	ROSMARINIC-ACID	Stem	80.0	340.0	-0.9890524615412883	--
76	EUGENOL	Stem	20.0	100.0	-1.0	--
53	BETA-CAROTENE	Leaf		25.0	-1.0290654853904624	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
89	URSOLIC-ACID	Stem	20.0	100.0	-1.1136867413673455	--
57	ROSMARINIC-ACID	Inflorescence	0.0	100.0	-1.5804064262841226	--
89	URSOLIC-ACID	Plant				--
9	SINAPIC-ACID	Inflorescence	0.0	100.0		--
3	VICENIN	Plant				--

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10	NEROL	Leaf				=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
3	XYLOSE	Seed				--
5	SAPONINS	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	PHYTOSTEROLS	Plant				--
4	16-HYDROXY-4,4,10,13-TETRAMETHYL-17-(4-METHYL-PENTYL)-HEXADECAHYDRO-CYCLOPENTA[A]PHENANTHREN-3-ONE	Shoot				--
3	MUCILAGE	Seed				--
28	ALPHA-PINENE	Leaf				=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
76	EUGENOL	Inflorescence		0.0		--
101	APIGENIN	Leaf				--
13	FORMIC-ACID	Plant				--
89	URSOLIC-ACID	Inflorescence	10.0	30.0		--
10	CIRSILINEOL	Leaf				--
15	ALPHA-LINOLENIC-ACID	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	TERPINEN-4-OL	Leaf				=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
13	BETA-PINENE	Leaf				=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
41	CAMPHOR	Leaf				=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
13	EUCALYPTOL	Leaf	35.0	540.0		--
35	TANNIN	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
12	ESTRAGOLE	Plant				--
1	ISOTHYMUSIN	Leaf	50.0	230.0		--
47	BETA-SITOSTEROL	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
53	CITRAL	Plant				--

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1	ISOTHYMUSIN	Stem	50.0	190.0		--
4	ORIENTIN	Leaf				--
2	CARNOSIC-ACID	Stem	90.0	150.0		--
4	ISOTHYMONIN	Leaf				--
2	CARNOSIC-ACID	Inflorescence	100.0	120.0		--
9	SINAPIC-ACID	Stem		0.0		--
16	ACETIC-ACID	Plant				--
12	VICENIN-2	Plant				--