

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Ocimum tenuiflorum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
89	URSOLIC-ACID	Plant				--
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
3	VICENIN	Plant				--
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				--
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.
4	16-HYDROXY-4,4,10,13-TETRAMETHYL-17-(4-METHYL-PENTYL)-HEXADECAHYDRO-CYCLOPENTA[A]PHENANTHREN-3-ONE	Shoot				--
3	MUCILAGE	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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				--
10	CIRSILINEOL	Leaf				--
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.
15	FIBER	Plant		231700.0	0.06575363483630421	--
15	ALPHA-LINOLENIC-ACID	Seed				--
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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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
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.
35	TANNIN	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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
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.
12	ESTRAGOLE	Plant				--
47	BETA-SITOSTEROL	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
53	CITRAL	Plant				--
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.
4	ORIENTIN	Leaf				--
9	TERPINOLENE	Leaf		55.0	-0.162031523677454	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.
4	ISOTHYMONIN	Leaf				--
9	SINAPIC-ACID	Stem		0.0		--
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.
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.
16	ACETIC-ACID	Plant				--
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.
12	VICENIN-2	Plant				--
9	SINAPIC-ACID	Inflorescence	0.0	100.0		--
6	BETA-BISABOLENE	Leaf	0.0	2970.0	2.806518767234007	--
57	ROSMARINIC-ACID	Inflorescence	0.0	100.0	-1.5804064262841226	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
64	OLEANOLIC-ACID	Leaf	0.0	2180.0	0.48616864159101425	--
2	ALPHA-HUMULENE	Leaf	9.0	205.0	-0.11985370698018302	--
89	URSOLIC-ACID	Inflorescence	10.0	30.0		--
6	METHYL-CHAVICOL	Leaf	20.0	7030.0	0.7651583753679776	--
76	EUGENOL	Stem	20.0	100.0	-1.0	--
89	URSOLIC-ACID	Stem	20.0	100.0	-1.1136867413673455	--
13	EUCALYPTOL	Leaf	35.0	540.0		--
67	1,8-CINEOLE	Leaf	35.0	1710.0	-0.3102746079505654	--
76	EUGENOL	Leaf	45.0	5580.0	-0.16060006975880922	--
1	ISOTHYMUSIN	Leaf	50.0	230.0		--
1	ISOTHYMUSIN	Stem	50.0	190.0		--
57	ROSMARINIC-ACID	Stem	80.0	340.0	-0.9890524615412883	--
2	CARNOSIC-ACID	Stem	90.0	150.0		--
8	CARYOPHYLENE-OXIDE	Leaf	100.0	1260.0	5.030102690692117	--
2	CARNOSIC-ACID	Inflorescence	100.0	120.0		--
5	BETA-ELEMENE	Leaf	120.0	1080.0	5.252587581892528	--
20	METHYL-EUGENOL	Leaf	130.0	7740.0	0.35597222575115295	--
2	CARNOSIC-ACID	Leaf	150.0	230.0	-0.8320242089374966	--
37	CARVACROL	Leaf	180.0	210.0	-0.255092646921473	--
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
57	ROSMARINIC-ACID	Leaf	200.0	300.0	-0.9706508212994431	--
4	NERAL	Plant	350.0	3150.0	2.137938727232355	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
13	GERANIAL	Plant	350.0	3150.0	1.2324614847213144	--
9	SINAPIC-ACID	Leaf	530.0	550.0	2.2060948370416993	--
5	EUGENOL-METHYL-ETHER	Leaf	1200.0	1400.0	-0.07470211141938432	--
89	URSOLIC-ACID	Leaf	2520.0	4780.0	-0.3079735814491711	--