

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Tagetes minuta*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	(5E)-OCIMENONE	Plant				Abstract (See species file)
67	1,8-CINEOLE	Plant	47.0	125.0	-0.526576510085783	--
2	5-(3-BUTEN-1-YNYL)-2,2'-BITHIENYL	Plant				--
16	ACETIC-ACID	Essential Oil				--
2	ALPHA-HUMULENE	Flower Essent. Oil		4000.0		--
28	ALPHA-PINENE	Essential Oil		10300.0	-0.4694352163298297	--
28	ALPHA-PINENE	Leaf Essent. Oil				Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of <i>Tagetes Minuta</i> L. and <i>T. filifolia</i> Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
28	ALPHA-PINENE	Flower Essent. Oil		100.0	-1.0	--
28	ALPHA-PINENE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
23	ALPHA-TERPINEOL	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
10	ALPHA-TERTHIENYL	Root				Downum, K. R., Towers, G. H. N. 1983. Analysis of Thiophenes in the Tageteae (Asteraceae) by HPLC. J. Nat. Prod. 46 1: 98-103. Dept. Botany Univ. British Columbia Vancouver BC V6T 1W5 Canada
10	ALPHA-TERTHIENYL	Flower Essent. Oil		3600.0		--
3	AROMADENDRENE	Plant	324.0	925.0	1.7318445510029972	--
3	AROMADENDRENE	Ge	324.0	925.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	BETA-EUDESOL	Leaf Essent. Oil		10000.0	-1.0	Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
2	BETA-MYRCENE	Plant	374.0	1000.0	1.0	--
3	BETA-PHELLANDRENE	Leaf Essent. Oil				Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
3	BETA-PHELLANDRENE	Shoot Essent. Oil				--
3	BETA-PHELLANDRENE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	BETA-PINENE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	BETA-PINENE	Leaf Essent. Oil				Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
13	BETA-PINENE	Essential Oil		14800.0	-0.4017613642678912	--
35	BORNEOL	Essential Oil		6500.0	-0.8514325616391961	--
9	CAMPHENE	Essential Oil				--
1	CARVEOL	Essential Oil		8500.0		--
19	CARVONE	Fruit Essent. Oil		7700.0	-0.6921983533349608	--
19	CARVONE	Essential Oil		8800.0	-0.8252268577968479	--
31	CARYOPHYLLENE	Flower Essent. Oil		5200.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CIS-OCIMENE	Flower Essent. Oil		283500.0		--
3	CIS-OCIMENE	Essential Oil		513200.0		--
53	CITRAL	Essential Oil				--
53	CITRAL	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	D-CARVONE	Plant	122.0	325.0		--
19	D-LIMONENE	Plant	56.0	425.0	-0.4885256071430556	--
1	DECAN-1-AL	Fruit Essent. Oil		2800.0		--
3	ELEMENE	Fruit Essent. Oil		6900.0		--
1	EUGENOL-ACETATE	Leaf Essent. Oil				Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
13	FORMIC-ACID	Essential Oil				--
11	GAMMA-TERPINENE	Flower Essent. Oil		100.0		--
11	GAMMA-TERPINENE	Essential Oil		4300.0	-0.7634064999488264	--
35	GERANIOL	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	GERMACRENE-D	Flower Essent. Oil		1900.0		--
11	ISORHAMNETIN	Leaf				--
60	LIMONENE	Leaf Essent. Oil		200000.0	0.20584956866150136	Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
60	LIMONENE	Fruit Essent. Oil	213100.0	353200.0	-0.32654836924013236	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	LIMONENE	Flower Essent. Oil	166300.0	353200.0	0.7456036872623704	--
60	LIMONENE	Essential Oil				--
60	LIMONENE	Shoot Essent. Oil		83000.0	-0.06856978436527997	--
7	LINALYL-ACETATE	Plant	34.0	125.0	-0.5179577333431766	--
2	OCIMENE	Plant	280.0	1500.0	0.3961170617858969	--
18	OLEIC-ACID	Seed Oil		16.0	-1.6780330457687065	--
16	P-CYMENE	Flower Essent. Oil		100.0		--
16	P-CYMENE	Plant				--
13	PALMITIC-ACID	Seed Oil		216400.0	0.22973165000663703	--
2	PATULETIN	Leaf				--
2	PATULETIN	Shoot				--
4	PELLANDRENE	Flower Essent. Oil		1700.0		--
2	PHENYL-ACETALDEHYDE	Plant	65.0	175.0		--
7	PIPERITONE	Fruit Essent. Oil		4100.0	1.0	--
2	PYRETHRIN-I	Tissue Culture				--
2	PYRETHRIN-II	Tissue Culture				--
8	QUERCETAGETIN	Leaf				--
8	QUERCETAGETIN	Shoot				--
176	QUERCETIN	Shoot				--
5	SABINENE	Flower Essent. Oil		1800.0		--
5	SABINENE	Leaf Essent. Oil				Zygadlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
5	SABINENE	Fruit Essent. Oil		2200.0	-0.7067721445459115	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	SABINENE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	SALICYLALDEHYDE	Essential Oil				--
5	SALICYLALDEHYDE	Plant	47.0	395.0		--
8	STEARIC-ACID	Seed Oil				--
6	SYRINGIC-ACID	Shoot				--
2	TAGETONE	Plant	288.0	3000.0	1.4127994891069109	--
2	TAGETONE	Essential Oil				--
23	TERPINEN-4-OL	Flower Essent. Oil		500.0		--
18	TERPINEOL	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	TERPINOLENE	Essential Oil		1200.0	-0.38665617795621554	--
7	THIOPHENE	Root				--
7	THIOPHENE	Leaf				--
71	THYMOL	Fruit Essent. Oil		3600.0		--
9	VALERIC-ACID	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
1	VIRIDIFLOROL	Flower Essent. Oil		500.0		--