

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Ocimum kilimandscharicum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
67	1,8-CINEOLE	Shoot	715.0	6200.0	-0.046679980416301496	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.
67	1,8-CINEOLE	Flower	1130.0	1960.0	-0.2013462004205552	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.
2	ALPHA-HUMULENE	Flower	0.0	230.0	-0.1416107623827925	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.
2	ALPHA-HUMULENE	Leaf	8.0	47.0	-0.3882399458303387	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.
28	ALPHA-PINENE	Leaf	40.0	85.0	-0.21902593685656874	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.
28	ALPHA-PINENE	Flower	55.0	105.0	0.03158136005381573	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.
23	ALPHA-TERPINEOL	Leaf	50.0	115.0	-0.38837847438267215	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.
23	ALPHA-TERPINEOL	Flower	80.0	150.0	-0.037814487036092206	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.
0	BETA-CARYOPHYLLENE	Leaf	90.0	165.0	-0.2540423906169821	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.
0	BETA-CARYOPHYLLENE	Flower	25.0	945.0	2.540622635220822	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of <i>Ocimum kilimandscharicum</i> Guerke. <i>J. Ess. Oil Res.</i> , 4: 125-128.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	BETA-PINENE	Leaf	260.0	485.0	0.2862412568885221	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
13	BETA-PINENE	Flower	205.0	675.0	2.402495603597849	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
12	BORNYL-ACETATE	Leaf	45.0	75.0	-0.36911613439586977	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
12	BORNYL-ACETATE	Flower	20.0	70.0	1.2977713690461	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
9	CAMPHENE	Leaf	105.0	205.0	-0.1152055828166814	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
9	CAMPHENE	Flower	240.0	400.0	1.4140457687025239	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
41	CAMPHOR	Flower	2650.0	5070.0	1.3756405727887508	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
41	CAMPHOR	Shoot	0.1	7000.0	0.10576491295426046	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
0	EO	Shoot	5000.0	10000.0	-0.027439288511147023	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
0	EO	Leaf	7700.0	11200.0	-0.029469250772301864	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	EO	Flower	19600.0	28000.0	0.5088585154118517	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
0	EPI-ALPHA-CADINOL	Leaf	80.0	170.0	1.0	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
0	EPI-ALPHA-CADINOL	Flower	110.0	565.0		Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
76	EUGENOL	Shoot	0.0	3000.0	1.9332985936503468	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
76	EUGENOL	Flower	0.0	35.0	-0.38194805398277965	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
0	GAMMA-MUUROLENE	Leaf	190.0	325.0	1.236689790409142	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
0	GAMMA-MUUROLENE	Flower	225.0	2060.0	1.0	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
0	GERMACRENE-B	Flower	125.0	520.0	1.240356483629917	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
0	GERMACRENE-B	Leaf	90.0	185.0	-0.2055204329580208	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
60	LIMONENE	Leaf	360.0	615.0	0.19919620567225724	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	LIMONENE	Flower	570.0	980.0	1.5518880396521617	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
0	LINALOL	Leaf	2970.0	5075.0	2.5634156624899194	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
0	LINALOL	Flower	10380.0	18130.0	3.1325403203684017	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
22	MYRCENE	Leaf	8.0	15.0	-0.1672627571519293	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
22	MYRCENE	Flower		0.1	-0.9073657144021885	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
23	TERPINEN-4-OL	Leaf	65.0	160.0	-0.24896399751269374	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
23	TERPINEN-4-OL	Flower	75.0	200.0	1.6144816036528034	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
9	TERPINOLENE	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.