

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Mentha longifolia*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
67	1,8-CINEOLE	Shoot	30	10930	0.021156215665233555	
2	3-OCTANOL	Shoot	1	2395	5.319914789020483	
3	ALPHA-CADINOL	Shoot	34	250	3.6671319397513846	Planta Medica, 57: A83, 1991.
11	ALPHA-PHELLANDRENE	Shoot	11	70	-0.13159795789038686	Planta Medica, 57: A83, 1991.
28	ALPHA-PINENE	Shoot	7	1065	-0.04123398777705887	
13	ALPHA-TERPINENE	Shoot	--	170	-0.004806475844184345	
23	ALPHA-TERPINEOL	Shoot	1	1175	0.9256745012139821	
5	BETA-ELEMENE	Shoot	--	275	0.5927988006074945	
13	BETA-PINENE	Shoot	28	1160	-0.0398446940909524	
35	BORNEOL	Shoot	1	1250	0.8099246345244387	Fleisher, Z. and Fleisher, A. 1991. The Essential Oils from <i>Mentha longifolia</i> Growing in Sinai and Israel. J. Ess. Oil Res., 3: 57.
12	BORNYL-ACETATE	Shoot	1	175	-0.11715337786974139	Fleisher, Z. and Fleisher, A. 1991. The Essential Oils from <i>Mentha longifolia</i> Growing in Sinai and Israel. J. Ess. Oil Res., 3: 57.
9	CAMPHENENE	Shoot	--	385	-0.0987549654618178	
19	CARVONE	Shoot	--	29560	5.1429437483451235	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
31	CARYOPHYLLENE	Shoot	110	9995	4.379447073242362	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
8	CARYOPHYLLENE-OXIDE	Shoot	--	835	1.4318059365230096	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CIS-OCIMENE	Shoot	1	685	2.6374819692309295	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	DELTA-CADINENE	Shoot	--	140	0.9634066643685961	
2	DIHYDROCARVEOL	Shoot	1	3150	1.4142135623730951	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
1	DIHYDROCARVYL-ACETATE	Shoot	--	3570	1	
34	DIOSMIN	Plant	--	--		
4	DIOSPHENOL	Shoot	4770	18125		
76	EUGENOL	Shoot	--	--		
11	GAMMA-TERPINENE	Shoot	--	57	-0.35495130817227305	
35	GERANIOL	Shoot	1	115	-0.4373077769387356	Fleisher, Z. and Fleisher, A. 1991. The Essential Oils from <i>Mentha longifolia</i> Growing in Sinai and Israel. <i>J. Ess. Oil Res.</i> , 3: 57.
5	GERANYL-ACETATE	Shoot	1	45	-0.4289795641877345	Fleisher, Z. and Fleisher, A. 1991. The Essential Oils from <i>Mentha longifolia</i> Growing in Sinai and Israel. <i>J. Ess. Oil Res.</i> , 3: 57.
2	GERMACRENE-D	Shoot	140	8850	4.5910282751920635	
31	HESPERIDIN	Plant	--	--		
1	ISOMENTHOL	Shoot	--	190	-0.6584710029748253	<i>Planta Medica</i> , 57: A83, 1991.
3	ISOMENTHONE	Shoot	--	16065	2.323453721592974	
60	LIMONENE	Shoot	7	3040	1.2190702567969351	
53	LINALOOL	Shoot	10	33360	1.0005419775185522	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	LUTEOLIN-7-GLUCOSIDE	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	LUTEOLIN-7-GLUCURONIDE	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	MENTHOFURAN	Shoot	--	14570	2.447922371975267	
63	MENTHOL	Shoot	--	620	0.29142386877781745	
30	MENTHONE	Shoot	--	4485	-0.05903408796777609	
2	MENTHYL-ACETATE	Plant	43	275		Planta Medica, 57: A83, 1991.
22	MYRCENE	Shoot	17	550	0.2854137429610451	
5	MYRTENAL	Shoot	1	100	-0.1860343737134976	Fleisher, Z. and Fleisher, A. 1991. The Essential Oils from <i>Mentha longifolia</i> Growing in Sinai and Israel. J. Ess. Oil Res., 3: 57.
2	MYRTENOL	Shoot	1	35	-0.19316706460982225	Fleisher, Z. and Fleisher, A. 1991. The Essential Oils from <i>Mentha longifolia</i> Growing in Sinai and Israel. J. Ess. Oil Res., 3: 57.
16	P-CYMENE	Shoot	1	23	-0.4831699125902253	
2	PHENYLETHYL-2-METHYLBUTYRATE	Shoot	1	60		Fleisher, Z. and Fleisher, A. 1991. The Essential Oils from <i>Mentha longifolia</i> Growing in Sinai and Israel. J. Ess. Oil Res., 3: 57.
3	PIPERITENONE	Shoot	1	9920	3.3658952187586366	
2	PIPERITENONE-OXIDE	Shoot	1	22380	2.635518112325883	
7	PIPERITONE	Shoot	--	30400	5.6949532593088605	
28	PULEGONE	Shoot	--	26600	-0.059281243922669244	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
44	QUERCITRIN	Plant	--	--		
57	ROSMARINIC-ACID	Plant	--	29000	0.038348584928534366	
5	SABINENE	Shoot	20	750	0.5026397896400224	
23	TERPINEN-4-OL	Shoot	1	800	0.16443270447025435	
9	TERPINOLENE	Shoot	--	20	-0.22817845236300732	
71	THYMOL	Shoot	1	15	-0.3291951998363978	Fleisher, Z. and Fleisher, A. 1991. The Essential Oils from <i>Mentha longifolia</i> Growing in Sinai and Israel. <i>J. Ess. Oil Res.</i> , 3: 57.
1	TRANS-CARVEOL	Shoot	1	340	-0.14188026442592658	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
6	UMBELLULONE	Shoot	27	168	1.413905734276786	Planta Medica, 57: A83, 1991.
1	VIRIDIFLOROL	Shoot	--	85	0.28063481963637366	Planta Medica, 57: A83, 1991.