

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Mentha pulegium

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	(+)-MENTHOL	Essential Oil	--	162400		
1	(+)-MENTHOL	Plant	1624	3248		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
4	(+)-PULEGONE	Essential Oil	90000	970000	1	
4	(+)-PULEGONE	Plant	--	19400	-1	
4	(+)-PULEGONE	Leaf Essent. Oil	--	501000		
4	(-)-MENTHOL	Plant	1	22		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
4	(-)-MENTHOL	Essential Oil	--	1100		
2	(-)-MENTHONE	Leaf Essent. Oil	--	250000		
2	(-)-MENTHONE	Plant	50	6160	1	
2	(-)-MENTHONE	Essential Oil	--	308000		
1	(-)-PIPERITONE	Plant	9	86		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	(-)-PIPERITONE	Essential Oil	--	4300		
67	1,8-CINEOLE	Plant	20	20	-0.5560490759487932	
16	ACETIC-ACID	Essential Oil	--	--		
2	ALPHA-HUMULENE	Plant	70	140	0.5902423704277919	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
11	ALPHA-PHELLANDRENE	Plant	30	60	-0.7513751346333919	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
11	ALPHA-PHELLANDRENE	Essential Oil	--	3000	-0.5349746839055997	
28	ALPHA-PINENE	Shoot Essent. Oil	--	--		
28	ALPHA-PINENE	Plant	20	520	-0.11347774923265422	
28	ALPHA-PINENE	Essential Oil	2000	26000	-0.331283527078581	
28	ALPHA-PINENE	Leaf Essent. Oil	--	7000	-0.7146470778854853	
13	ALPHA-TERPINENE	Plant	--	20	-0.471448810117065	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
13	ALPHA-TERPINENE	Essential Oil	--	1000	-0.7495259974879932	
23	ALPHA-TERPINEOL	Plant	70	140	-0.372099995911098	
5	ALUMINUM	Plant	1850	1850	2.9223806352535795	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
3	AROMADENDRENE	Plant	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
3	AROMADENDRENE	Essential Oil	--	--		
3	BETA-PHELLANDRENE	Essential Oil	800	20000	0.6280219486295257	
3	BETA-PHELLANDRENE	Plant	3	400	2.9918668917708637	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
13	BETA-PINENE	Essential Oil	2000	14400	-0.41064310614185573	
13	BETA-PINENE	Shoot	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	BETA-PINENE	Plant	20	288	-0.1245231451771769	
6	BUTYRIC-ACID	Essential Oil	--	--		
4	CADINENE	Essential Oil	--	8700	-0.5068231682706219	
4	CADINENE	Plant	87	174	-0.722432676215474	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
28	CALCIUM	Plant	9440	16870	0.35091544969248395	
9	CAMPHENE	Essential Oil	100	7000	-0.483566600830156	
9	CAMPHENE	Shoot	--	--		
9	CAMPHENE	Plant	1	70	-0.48608374240323066	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
37	CARVACROL	Plant	100	400	-0.8114562574483182	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
37	CARVACROL	Essential Oil	10000	20000	-0.9288943509503852	
19	CARVONE	Essential Oil	--	--		
31	CARYOPHYLLENE	Essential Oil	--	1000	-0.7498359032671668	
31	CARYOPHYLLENE	Plant	10	60	-0.49690029432931404	
24	CHROMIUM	Plant	17	17	0.7215583160252136	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	CITRONELLOL	Essential Oil	--	9000	-0.7045093281934509	
15	CITRONELLOL	Plant	90	180	-0.30943366496458685	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	COBALT	Plant	14	14	-0.020060618763181548	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
19	D-LIMONENE	Essential Oil	1000	14500	-0.7092832756363163	
34	DIOSMIN	Leaf	--	--		
34	DIOSMIN	Shoot	--	--		
7	DIPENTENE	Plant	--	--		
76	EUGENOL	Essential Oil	--	16000	-0.665687200498063	
76	EUGENOL	Plant	160	320	-0.44442307760119315	
6	FENCHONE	Plant	10	20	-0.5837172315870186	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
6	FENCHONE	Essential Oil	--	1000	-0.7042720360690181	
15	FIBER	Plant	123000	123000	-0.737905187992049	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
13	FORMIC-ACID	Essential Oil	--	--		
11	GAMMA-TERPINENE	Plant	--	50	-0.5136265458798137	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
11	GAMMA-TERPINENE	Essential Oil	--	2500	-0.7879853217179721	
2	GERMACRENE-D	Plant	--	--		
6	GUAIAZULENE	Plant	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
6	GUAIAZULENE	Essential Oil	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	HESPERIDIN	Plant	--	--		
6	IRON	Plant	2310	2310	1.9820351605052466	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	ISOMENTHOL	Plant	1	10	-1	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	ISOMENTHOL	Shoot	--	--		
1	ISOMENTHOL	Essential Oil	--	500		
3	ISOMENTHONE	Essential Oil	12000	421000	1	
3	ISOMENTHONE	Plant	--	8420	1.8675461425083695	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
3	ISOPULEGOL	Plant	680	1360	1.414171474771408	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
4	ISOPULEGONE	Essential Oil	52500	100700		
4	ISOPULEGONE	Plant	525	2014	1.4121740271883934	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
7	LAURIC-ACID	Essential Oil	--	--		
60	LIMONENE	Plant	41	148	-0.39484502300696295	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
60	LIMONENE	Shoot	--	--		
60	LIMONENE	Essential Oil	1000	110000	-0.10391929710390785	
60	LIMONENE	Plant	10	2200	0.8662874679010774	
60	LIMONENE	Leaf Essent. Oil	--	5000	-0.6561226246926355	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	LINALOOL	Essential Oil	--	--		
53	LINALOOL	Plant	15	30	-0.6602593620483829	
65	MAGNESIUM	Plant	5500	5500	0.44507141297830793	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
14	MANGANESE	Plant	83	83	-0.10002848666961581	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
5	MENTHOFURAN	Essential Oil	200	8000	1	
5	MENTHOFURAN	Shoot	--	--		
5	MENTHOFURAN	Plant	1	160	-0.7243223657474931	
63	MENTHOL	Plant	--	3780	2.1738078001414967	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
63	MENTHOL	Essential Oil	1000	478000	1	
63	MENTHOL	Shoot	--	--		
30	MENTHONE	Essential Oil	1000	80000	1	
30	MENTHONE	Shoot	--	--		
30	MENTHONE	Plant	10	6160	0.49247976031206625	
30	MENTHONE	Plant	50	6160	0.49247976031206625	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
22	MYRCENE	Essential Oil	2700	4500	-0.38506528864758083	
22	MYRCENE	Plant	27	600	0.18309105499415446	
6	MYRISTIC-ACID	Essential Oil	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	NEOMENTHOL	Essential Oil	28000	194000		
2	NEOMENTHOL	Shoot	--	--		
2	NEOMENTHOL	Plant	1	3880	1	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
5	NEPETALACTONE	Essential Oil	--	--		
5	NEPETALACTONE	Plant	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
10	NEROL	Plant	10	20	-0.4292275892118858	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
10	NEROL	Essential Oil	--	1000	-0.8213756657344466	
6	O-CRESOL	Essential Oil	--	--		
2	OCIMENE	Plant	25	50	-0.7012050389583314	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	OCIMENE	Essential Oil	--	2500		
8	P-CRESOL	Essential Oil	--	--		
16	P-CYMENE	Essential Oil	300	30500	-0.38158485622235	
16	P-CYMENE	Plant	3	610	-0.26146431649011576	
13	PALMITIC-ACID	Essential Oil	--	--		
4	PHELLANDRENE	Shoot	--	--		
26	PHENOL	Essential Oil	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Plant	2520	2520	-0.5135291849072152	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
3	PIPERITENONE	Essential Oil	--	240000		
3	PIPERITENONE	Plant	30	4800	1.6731162867837588	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
7	PIPERITONE	Plant	10	11000	2.219380329493596	
7	PIPERITONE	Essential Oil	3000	700000		
14	POTASSIUM	Plant	10500	15310	-0.45241372175813044	
28	PULEGONE	Shoot	--	--		
28	PULEGONE	Plant	520	18800	1.4373197944141436	
28	PULEGONE	Essential Oil	300000	930000	1.3308095011183545	
57	ROSMARINIC-ACID	Plant	30000	30000	0.09914512201035752	Fitoterapia No.62: 166.
57	ROSMARINIC-ACID	Inflorescence	--	30000	-0.26815560301571756	
5	SABINENE	Plant	8	140	-0.3524551800814526	
5	SABINENE	Essential Oil	1500	7000	-0.5464939750962685	
5	SALICYLALDEHYDE	Essential Oil	--	--		
34	SALICYLIC-ACID	Essential Oil	--	--		
60	SELENIUM	Plant	25	25	0.6881720243035053	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	SILICON	Plant	182	182	0.5511913566398267	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	SODIUM	Plant	2790	5410	-0.004600503542934433	
35	TANNIN	Plant	40000	40000	-0.6370616203493836	
9	TERPINOLENE	Plant	1	90	0.05649215319734414	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
9	TERPINOLENE	Essential Oil	100	4500	-0.36188656386428764	
17	THUJONE	Essential Oil	--	1000	-1	
17	THUJONE	Plant	10	20	-0.5825251858703618	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
71	THYMOL	Plant	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
71	THYMOL	Essential Oil	--	--		
4	TIN	Plant	24	24	0.21332933498995302	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
77	ZINC	Plant	56	56	0.03803390463662481	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.