

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Pimenta racemosa*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PENTADECANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-YLANGENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	BETA-MYRCENE	Leaf				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	TRIDECANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	PENTACOSANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-THUJENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TRICOSANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CIS-ALPHA-FARNESENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
16	ISOEUGENOL	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	1-OCTEN-3-YL-ACETATE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	OCTADECANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
1	CIS-3-HEXENOL	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TRANS-3-HEXENOL	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	LEDENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	FURFUROL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GAMMA-CADINENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TETROCOSANE	Leaf				--
0	NONADECANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	HEXANOL	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-P-DIMETHYL-STYRENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	EUGENOL-METHYL-ETHER	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TETRADECANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	NERYL-ACETATE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CALACORENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	HEXADECANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALPHA-MUUROLENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	HEXACOSANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-GURJUNENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TERPINEN-4-YL-ACETATE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	EICOSANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-CUBEBENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	HEPTADECANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-CUBEBINE	Leaf				--
0	DOCOSANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	BETA-COPAENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	HENEICOSANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-CADINENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	SABINENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DELTA-ELEMENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	BETA-CEDRENE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TETRACOSANE	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	(Z)-OCIMENE	Leaf	0.0	16.0	1.4142135623730954	--
11	GAMMA-TERPINENE	Plant	0.0	16.0	-0.5274539805502925	--
0	VERBENOL	Leaf	0.0	16.0	-1.0	--
0	2,3-DEHYDRO-1,8-CINEOLE	Leaf	0.0	16.0		--
17	THUJONE	Leaf	0.0	16.0	-0.7362072762133899	--
0	P-CYMEN-8-OL	Leaf	0.0	18.0	-0.05670989498424539	--
0	TRANS-LINALOOL-OXIDE	Leaf	0.0	18.0	0.15034619483106604	--
8	CARYOPHYLENE-OXIDE	Leaf	0.0	18.0	-0.3781728702778057	--
0	NERIC-ACID	Leaf	0.0	32.0		--
0	ALPHA-CYCLOCITRAL	Leaf	0.0	32.0		--
0	(E)-ANETHOLE	Leaf	0.0	32.0	1.0000000000000002	--
0	ALPHA-AMORPHENE	Leaf	10.0	35.0	-0.19089331525390477	--
0	METHYL-HEPTENONE	Leaf	10.0	35.0		--
13	BETA-PINENE	Leaf	1.0	35.0	-0.37750495647165555	--
2	ALPHA-HUMULENE	Leaf	0.0	36.0	-0.40692506372496984	--
0	CALAMENENE	Leaf	0.0	36.0	0.12537842028357807	--
3	ALPHA-CADINOL	Leaf	0.0	36.0	1.7831324721513606	--
0	(E,E)-ALPHA-FARNESENE	Leaf	0.0	36.0		--
0	6-METHYL-HEPT-5-EN-2-ONE	Leaf	0.0	48.0	1.0000000000000002	--
2	GERMACRENE-D	Leaf	0.0	55.0	-0.48053593113363874	--
0	(E)-OCIMENE	Leaf	0.0	65.0	-0.5328616124338607	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
1	COPAENE	Leaf	20.0	70.0	1.544780732576718	--
0	ALPHA-COPAENE	Leaf	0.0	70.0	0.060157357813246624	--
0	TERPINOLINE	Leaf	0.0	100.0		--
0	BETA-CARYOPHYLLENE	Leaf	0.0	110.0	-0.280971407085572	--
10	NEROL	Leaf	0.0	110.0	0.08229379594305986	--
9	DELTA-CADINENE	Leaf	0.0	145.0	0.16716304864753206	--
0	GERANIC-ACID	Leaf	0.0	160.0	0.9999999999999998	--
23	TERPINEN-4-OL	Leaf	0.0	215.0	-0.21755950373765864	--
41	CAMPHOR	Leaf	0.0	240.0	-0.24352185525168293	--
2	CHRYSANTHENE	Leaf	0.0	255.0		--
5	GERANYL-ACETATE	Leaf	80.0	270.0	0.4063964750625717	--
31	CARYOPHYLLENE	Leaf	90.0	305.0	-0.497340410309604	--
0	3-OCTANONE	Leaf	0.0	340.0	1.0	--
2	OCIMENE	Leaf	100.0	340.0		--
23	ALPHA-TERPINEOL	Leaf	0.0	415.0	0.1382399064245457	--
0	1-OCTEN-3-OL	Leaf	100.0	440.0	3.154920477470215	--
2	3-OCTANOL	Leaf	30.0	540.0	1.999518069743643	--
35	GERANIOL	Leaf	0.0	560.0	0.02962893967624691	--
67	1,8-CINEOLE	Leaf	0.0	680.0	-0.4427590410772167	--
0	TRANS-OCIMENE	Leaf	210.0	715.0	1.5508624595270908	--
16	P-CYMENE	Leaf	16.0	750.0	0.222984120681939	--
3	BETA-PHELLANDRENE	Leaf	230.0	780.0	1.398677092000093	--
28	ALPHA-PINENE	Leaf	0.0	950.0	-0.16286620322884066	--
11	ALPHA-PHELLANDRENE	Leaf	0.0	950.0	0.35939755207141527	--
0	LINALOL	Leaf	130.0	1020.0	0.16156519383563286	--
53	LINALOOL	Leaf	130.0	1080.0	0.1004432910088594	--
60	LIMONENE	Leaf	140.0	6870.0	6.779460530175923	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CHAVICOL	Leaf	0.0	8580.0	1.0	--
0	MONOTERPENES	Leaf	2570.0	8740.0	1.0	--
12	ESTRAGOLE	Leaf	18.0	10745.0	0.19223833977396435	--
4	NERAL	Leaf	0.0	11080.0	2.645295440851897	--
6	METHYL-CHAVICOL	Leaf	30.0	12480.0	1.9031033477402637	--
20	METHYL-EUGENOL	Leaf	130.0	16770.0	1.7180184963159455	--
13	GERANIAL	Leaf	0.0	18090.0	2.64112243372159	--
76	EUGENOL	Leaf	16.0	21840.0	1.749765335298858	--
22	MYRCENE	Leaf	735.0	23800.0	8.415615315531328	--
53	CITRAL	Leaf	8000.0	31200.0	1.0	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	EO	Leaf	7500.0	39000.0	2.415813435144573	--