

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Myrtus communis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
67	1,8-CINEOLE	Plant	135.0	2065.0	0.01796423062126339	--
67	1,8-CINEOLE	Leaf	135.0	2250.0	-0.24081674980649576	--
0	2-BUTANOL	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-BUTANONE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-METHYL-BUT-3-EN-2-OL	Plant	200.0	710.0		--
0	2-METHYL-BUTANAL	Plant	2.0	6.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-METHYL-BUTANOL	Shoot	0.8	7.0	-1.0	--
0	2-METHYL-BUTYL-2-METHYL-BUTYRATE	Plant	2.0	6.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-METHYL-FURAN	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-METHYL-PROPANOL	Plant	2.0	6.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-METHYL-PROPYL-2-METHYL-PROPIONATE	Plant	2.0	6.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	3,6-DIGALLOYLGLUCOSE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	5-METHYL-3-HEXANONE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
16	ACETIC-ACID	Plant	0.0	1.0	-0.6988076937022064	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
3	ACETONE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALCOHOLS	Plant	667.0	1000.0	-0.6742987756649957	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	ALDEHYDES	Plant	30.0	45.0		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	ALPHA-FENCHOL	Shoot	0.0	10.0	-1.4142135623730954	--
2	ALPHA-HUMULENE	Plant	3.0	4.0	-0.7430109839502796	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-MUUROLENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-P-DIMETHYL-STYRENE	Plant	0.0	1.0	-1.0	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
11	ALPHA-PHELLANDRENE	Shoot	1.0	10.0	-0.2839552167099319	--
28	ALPHA-PINENE	Plant	242.0	1420.0	0.5234413297158256	--
28	ALPHA-PINENE	Leaf	150.0	1900.0	-0.10118788305965953	--
3	ALPHA-SELINENE	Plant	0.0	1.0	-0.9595850100763278	--
13	ALPHA-TERPINENE	Shoot	0.0	4.0	-0.47000816500737647	--
23	ALPHA-TERPINEOL	Plant	58.0	88.0	-0.4123445345033982	--
23	ALPHA-TERPINEOL	Leaf	20.0	600.0	0.4629879079223302	--
0	ALPHA-TERPINYL-ACETATE	Plant	58.0	88.0	-0.42016529961533833	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-THUJENE	Shoot	2.0	18.0	-0.23235009860030018	--
3	AR-CURCUMENE	Plant	4.0	6.0	-0.589673085617198	--
6	BETA-BISABOLENE	Plant	0.0	1.0	-0.6535148941588209	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	BETA-CARYOPHYLLENE	Shoot	7.0	40.0	-0.3288775565477849	--
5	BETA-ELEMENE	Plant	3.0	4.0	-0.4608979924282207	--
13	BETA-PINENE	Plant	2.0	8.0	-0.4268487360991912	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	BETA-SELINENE	Plant	0.0	1.0	-0.7709379055711856	--
35	BORNEOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
12	BORNYL-ACETATE	Plant	12.0	18.0	-0.45749105875331714	--
0	BUTYL-2-METHYLBUTYRATE	Plant	0.0	1.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CALACORENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CALAMENENE	Plant	1.0	2.0	-0.7588347614195404	--
9	CAMPHENE	Plant	8.0	30.0	-0.5545069597862352	--
41	CAMPHOR	Plant	12.0	18.0	-0.6448042875195812	--
37	CARVACROL	Plant	2.0	3.0	-0.8663816025698796	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
19	CARVONE	Plant	8.0	12.0	-0.4319279701992528	--
0	CARVYL-ACETATE-I	Shoot	0.4	130.0		--
0	CARVYL-ACETATE-II	Shoot	0.8	6.0		--
31	CARYOPHYLLENE	Plant	3.0	4.0	-0.5710991250271118	--
8	CARYOPHYLLENE-OXIDE	Plant	2.0	3.0	-0.4090592161629753	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CIS-MYRTENYL-ACETATE	Plant	8.0	12.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
23	CITRIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CITRONELLYL-ACETATE	Shoot	2.0	8.5	-0.20172491946646642	--
1	COPAENE	Plant	2.0	8.0	-0.7831643620957981	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
19	D-LIMONENE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	D-MYRTENOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
8	DELTA-3-CARENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	DELTA-CADINENE	Plant	8.0	12.0	-0.480204637192657	--
7	DIPENTENE	Plant				--
51	ELLAGIC-ACID	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EO	Plant	1667.0	5900.0	-0.29173905112572635	--
0	EO	Leaf	1000.0	5000.0	-0.5748200656170724	--
76	EUGENOL	Shoot	1.0	15.0	-0.4811620591902165	--
0	FAT	Seed	120000.0	150000.0	-0.6077877171137942	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	FURFURAL	Plant	0.0	1.0	-0.8970149171498789	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
62	GALLIC-ACID	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GALLOTANNINS	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	GAMMA-TERPINENE	Plant	185.0	278.0	-0.4209013957366027	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
13	GERANIAL	Shoot	0.0	1.5	-0.6210581561316936	--
35	GERANIOL	Leaf	1.0	75.0	-0.19564022822357305	--
35	GERANIOL	Plant	1.0	2.0	-0.44931709206646747	--
0	GERANYL-2-METHYLBUTYRATE	Plant	4.0	6.0		--
0	GERANYL-2-METHYLPROPIONATE	Plant	4.0	6.0		--
5	GERANYL-ACETATE	Leaf	8.0	250.0	0.29682879796236855	--
5	GERANYL-ACETATE	Plant	8.0	12.0	-0.55306285222535	--
5	HEXANAL	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
7	ISOBORNEOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	ISOBUTYL-2-METHYLBUTYRATE	Shoot	1.0	20.0		--
0	ISOBUTYL-ISOBUTYRATE	Shoot	10.0	110.0		--
0	KAEMPFEROL-GLYCOSIDE	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	L-MYRTENOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
60	LIMONENE	Plant	185.0	585.0	-0.1262705110543247	--
60	LIMONENE	Leaf	40.0	585.0	0.16763618493123245	--
0	LIMONENE-OXIDE-I	Shoot	0.4	2.5		--
0	LIMONENE-OXIDE-II	Shoot	0.0	4.5	0.21270799391196718	--
0	LINALOL	Plant	18.0	505.0	-0.3180486984089818	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	LINALOOL	Plant	18.0	505.0	-0.5959988975523308	--
7	LINALYL-ACETATE	Plant	18.0	28.0	-0.5646034028299372	--
27	LINOLEIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	MALIC-ACID	Fruit				--
6	METHYL-CHAVICOL	Plant	58.0	88.0	-1.0009165023038997	--
20	METHYL-EUGENOL	Plant	8.0	12.0	-0.6677721094092535	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
22	MYRCENE	Plant	2.0	6.0	-0.46951072518303016	--
34	MYRICETIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	MYRICITRIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	MYRISTIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	MYRTENAL	Plant	4.0	6.0	1.0	--
2	MYRTENOL	Leaf	3.0	250.0	1.7099549006735737	--
2	MYRTENOL	Plant	3.0	4.0	-1.0	--
0	MYRTENOLS	Plant	334.0	500.0		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	MYRTENYL-2-METHYL-BUTYRATE	Plant	1.0	2.0		--
0	MYRTENYL-2-METHYL-PROPIONATE	Plant	8.0	12.0		--
1	MYRTENYL-ACETATE	Plant	175.0	262.0		--
1	MYRTENYL-ACETATE	Leaf	40.0	1000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	MYRTOCOMMULON-A	Leaf				--
0	MYRTOCOMMULON-B	Leaf				--
0	MYRTOL	Leaf				--
0	MYRTUCUMMULONE-A	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
4	NERAL	Shoot	1.0	2.0	-0.5683722866724288	--
10	NEROL	Plant				--
11	NEROLIDOL	Shoot	0.0	5.0	-0.3951214975377221	--
5	NERYL-ACETATE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
18	OLEIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	P-CYMEN-8-OL	Shoot	0.0	1.0	-0.17036603907271525	--
16	P-CYMENE	Plant	30.0	106.0	-0.3926619251887391	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
13	PALMITIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PENTADECANE	Plant	1.0	2.0		--
0	PERILLENE	Shoot	0.0	2.5	-0.356535455724173	--
0	PROPANOL	Shoot	0.0	2.0		--
0	QUERCETIN-GLYCOSIDES	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	RESIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	SABINENE	Shoot	0.4	3.0	-0.29272781709699197	--
0	SUGAR	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	TANNIN	Plant		140000.0	0.8228868573581	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
23	TERPINEN-4-OL	Plant	3.0	4.0	-0.27974574786240924	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	TERPINOLENE	Plant	0.0	1.0	-0.7291018522032187	--
1	TOLUENE	Plant	200.0	710.0	-1.0	--
0	TRANS-ALLO-OCIMENE	Plant	2.0	6.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
8	TRANS-ANETHOLE	Shoot	0.0	5.0	-1.0	--
0	TRANS-CARVYL-ACETATE	Plant	0.0	1.0		--
0	TRANS-OCIMENE	Shoot	1.0	30.0	-0.16788134283044173	--
5	VERBENONE	Plant	0.0	1.0	-1.0163839203754967	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.