

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Myrtus communis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	VERBENONE	Plant	0.0	1.0	-1.0163839203754967	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TRANS-OCIMENE	Shoot	1.0	30.0	-0.16788134283044173	--
0	TRANS-CARVYL-ACETATE	Plant	0.0	1.0		--
8	TRANS-ANETHOLE	Shoot	0.0	5.0	-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.
1	TOLUENE	Plant	200.0	710.0	-1.0	--
9	TERPINOLENE	Plant	0.0	1.0	-0.7291018522032187	--
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.
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.
0	SUGAR	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	SABINENE	Shoot	0.4	3.0	-0.29272781709699197	--
0	RESIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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	PROPANOL	Shoot	0.0	2.0		--
0	PERILLENE	Shoot	0.0	2.5	-0.356535455724173	--
0	PENTADECANE	Plant	1.0	2.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	PALMITIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
16	P-CYMENE	Plant	30.0	106.0	-0.3926619251887391	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	P-CYMEN-8-OL	Shoot	0.0	1.0	-0.17036603907271525	--
18	OLEIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	NERYL-ACETATE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
11	NEROLIDOL	Shoot	0.0	5.0	-0.3951214975377221	--
10	NEROL	Plant				--
4	NERAL	Shoot	1.0	2.0	-0.5683722866724288	--
0	MYRTUCUMMULONE-A	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	MYRTOL	Leaf				--
0	MYRTOCOMMULON-B	Leaf				--
0	MYRTOCOMMULON-A	Leaf				--
1	MYRTENYL-ACETATE	Leaf	40.0	1000.0		--
1	MYRTENYL-ACETATE	Plant	175.0	262.0		--
0	MYRTENYL-2-METHYL-PROPIONATE	Plant	8.0	12.0		--
0	MYRTENYL-2-METHYL-BUTYRATE	Plant	1.0	2.0		--
0	MYRTENOLS	Plant	334.0	500.0		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
2	MYRTENOL	Plant	3.0	4.0	-1.0	--
2	MYRTENOL	Leaf	3.0	250.0	1.7099549006735737	--
5	MYRTENAL	Plant	4.0	6.0	1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	MYRISTIC-ACID	Seed				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.
34	MYRICETIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	MYRCENE	Plant	2.0	6.0	-0.46951072518303016	--
20	METHYL-EUGENOL	Plant	8.0	12.0	-0.6677721094092535	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
6	METHYL-CHAVICOL	Plant	58.0	88.0	-1.0009165023038997	--
15	MALIC-ACID	Fruit				--
27	LINOLEIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	LINALYL-ACETATE	Plant	18.0	28.0	-0.5646034028299372	--
53	LINALOOL	Plant	18.0	505.0	-0.5959988975523308	--
0	LINALOL	Plant	18.0	505.0	-0.3180486984089818	--
0	LIMONENE-OXIDE-II	Shoot	0.0	4.5	0.21270799391196718	--
0	LIMONENE-OXIDE-I	Shoot	0.4	2.5		--
60	LIMONENE	Plant	185.0	585.0	-0.1262705110543247	--
60	LIMONENE	Leaf	40.0	585.0	0.16763618493123245	--
0	L-MYRTENOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	ISOBUTYL-ISOBUTYRATE	Shoot	10.0	110.0		--
0	ISOBUTYL-2-METHYL-BUTYRATE	Shoot	1.0	20.0		--
7	ISOBORNEOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
5	HEXANAL	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	GERANYL-ACETATE	Plant	8.0	12.0	-0.55306285222535	--
5	GERANYL-ACETATE	Leaf	8.0	250.0	0.29682879796236855	--
0	GERANYL-2-METHYLPROPIONATE	Plant	4.0	6.0		--
0	GERANYL-2-METHYLOLBUTYRATE	Plant	4.0	6.0		--
35	GERANIOL	Plant	1.0	2.0	-0.44931709206646747	--
35	GERANIOL	Leaf	1.0	75.0	-0.19564022822357305	--
13	GERANIAL	Shoot	0.0	1.5	-0.6210581561316936	--
11	GAMMA-TERPINENE	Plant	185.0	278.0	-0.4209013957366027	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	GALLOTANNINS	Plant				--
62	GALLIC-ACID	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	FURFURAL	Plant	0.0	1.0	-0.8970149171498789	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	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.
76	EUGENOL	Shoot	1.0	15.0	-0.4811620591902165	--
0	EO	Plant	1667.0	5900.0	-0.29173905112572635	--
0	EO	Leaf	1000.0	5000.0	-0.5748200656170724	--
51	ELLAGIC-ACID	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	DIPENTENE	Plant				--
9	DELTA-CADINENE	Plant	8.0	12.0	-0.480204637192657	--
8	DELTA-3-CARENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	D-MYRTENOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
19	D-LIMONENE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	COPAENE	Plant	2.0	8.0	-0.7831643620957981	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	CITRONELLYL-ACETATE	Shoot	2.0	8.5	-0.20172491946646642	--
23	CITRIC-ACID	Fruit				--
0	CIS-MYRTENYL-ACETATE	Plant	8.0	12.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
8	CARYOPHILLENE-OXIDE	Plant	2.0	3.0	-0.4090592161629753	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
31	CARYOPHILLENE	Plant	3.0	4.0	-0.5710991250271118	--
0	CARVYL-ACETATE-II	Shoot	0.8	6.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CARVYL-ACETATE-I	Shoot	0.4	130.0		--
19	CARVONE	Plant	8.0	12.0	-0.4319279701992528	--
37	CARVACROL	Plant	2.0	3.0	-0.8663816025698796	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
41	CAMPHOR	Plant	12.0	18.0	-0.6448042875195812	--
9	CAMPHENE	Plant	8.0	30.0	-0.5545069597862352	--
0	CALAMENENE	Plant	1.0	2.0	-0.7588347614195404	--
0	CALACORENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	BUTYL-2-METHYLBUTYRATE	Plant	0.0	1.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
12	BORNYL-ACETATE	Plant	12.0	18.0	-0.45749105875331714	--
35	BORNEOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
3	BETA-SELINENE	Plant	0.0	1.0	-0.7709379055711856	--
13	BETA-PINENE	Plant	2.0	8.0	-0.4268487360991912	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	BETA-ELEMENE	Plant	3.0	4.0	-0.4608979924282207	--
0	BETA-CARYOPHYLLENE	Shoot	7.0	40.0	-0.3288775565477849	--
6	BETA-BISABOLENE	Plant	0.0	1.0	-0.6535148941588209	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	AR-CURCUMENE	Plant	4.0	6.0	-0.589673085617198	--
0	ALPHA-THUJENE	Shoot	2.0	18.0	-0.23235009860030018	--
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.
23	ALPHA-TERPINEOL	Leaf	20.0	600.0	0.4629879079223302	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	ALPHA-TERPINEOL	Plant	58.0	88.0	-0.4123445345033982	--
13	ALPHA-TERPINENE	Shoot	0.0	4.0	-0.47000816500737647	--
3	ALPHA-SELINENE	Plant	0.0	1.0	-0.9595850100763278	--
28	ALPHA-PINENE	Leaf	150.0	1900.0	-0.10118788305965953	--
28	ALPHA-PINENE	Plant	242.0	1420.0	0.5234413297158256	--
11	ALPHA-PHELLANDRENE	Shoot	1.0	10.0	-0.2839552167099319	--
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.
0	ALPHA-MUUROLENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
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-FENCHOL	Shoot	0.0	10.0	-1.4142135623730954	--
0	ALDEHYDES	Plant	30.0	45.0		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	ALCOHOLS	Plant	667.0	1000.0	-0.6742987756649957	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
3	ACETONE	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.
0	5-METHYL-3-HEXANONE	Plant				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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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-FURAN	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
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-BUTANOL	Shoot	0.8	7.0	-1.0	--
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-BUT-3-EN-2-OL	Plant	200.0	710.0		--
0	2-BUTANONE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-BUTANOL	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
67	1,8-CINEOLE	Leaf	135.0	2250.0	-0.24081674980649576	--
67	1,8-CINEOLE	Plant	135.0	2065.0	0.01796423062126339	--