

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Myrtus communis*

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.
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	EO	Plant	1667.0	5900.0	-0.29173905112572635	--
0	EO	Leaf	1000.0	5000.0	-0.5748200656170724	--
67	1,8-CINEOLE	Leaf	135.0	2250.0	-0.24081674980649576	--
67	1,8-CINEOLE	Plant	135.0	2065.0	0.01796423062126339	--
28	ALPHA-PINENE	Leaf	150.0	1900.0	-0.10118788305965953	--
28	ALPHA-PINENE	Plant	242.0	1420.0	0.5234413297158256	--
0	ALCOHOLS	Plant	667.0	1000.0	-0.6742987756649957	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
1	MYRTENYL-ACETATE	Leaf	40.0	1000.0		--
1	TOLUENE	Plant	200.0	710.0	-1.0	--
0	2-METHYL-BUT-3-EN-2-OL	Plant	200.0	710.0		--
23	ALPHA-TERPINEOL	Leaf	20.0	600.0	0.4629879079223302	--
60	LIMONENE	Plant	185.0	585.0	-0.1262705110543247	--
60	LIMONENE	Leaf	40.0	585.0	0.16763618493123245	--
0	LINALOL	Plant	18.0	505.0	-0.3180486984089818	--
53	LINALOOL	Plant	18.0	505.0	-0.5959988975523308	--
0	MYRTENOLS	Plant	334.0	500.0		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
11	GAMMA-TERPINENE	Plant	185.0	278.0	-0.4209013957366027	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
1	MYRTENYL-ACETATE	Plant	175.0	262.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	MYRTENOL	Leaf	3.0	250.0	1.7099549006735737	--
5	GERANYL-ACETATE	Leaf	8.0	250.0	0.29682879796236855	--
0	CARVYL-ACETATE-I	Shoot	0.4	130.0		--
0	ISOBUTYL-ISOBUTYRATE	Shoot	10.0	110.0		--
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	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	Plant	58.0	88.0	-0.4123445345033982	--
6	METHYL-CHAVICOL	Plant	58.0	88.0	-1.0009165023038997	--
35	GERANIOL	Leaf	1.0	75.0	-0.19564022822357305	--
0	ALDEHYDES	Plant	30.0	45.0		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	BETA-CARYOPHYLLENE	Shoot	7.0	40.0	-0.3288775565477849	--
9	CAMPHENE	Plant	8.0	30.0	-0.5545069597862352	--
0	TRANS-OCIMENE	Shoot	1.0	30.0	-0.16788134283044173	--
7	LINALYL-ACETATE	Plant	18.0	28.0	-0.5646034028299372	--
0	ISOBUTYL-2-METHYL-BUTYRATE	Shoot	1.0	20.0		--
41	CAMPHOR	Plant	12.0	18.0	-0.6448042875195812	--
0	ALPHA-THUJENE	Shoot	2.0	18.0	-0.23235009860030018	--
12	BORNYL-ACETATE	Plant	12.0	18.0	-0.45749105875331714	--
76	EUGENOL	Shoot	1.0	15.0	-0.4811620591902165	--
0	CIS-MYRTENYL-ACETATE	Plant	8.0	12.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	DELTA-CADINENE	Plant	8.0	12.0	-0.480204637192657	--
5	GERANYL-ACETATE	Plant	8.0	12.0	-0.55306285222535	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	METHYL-EUGENOL	Plant	8.0	12.0	-0.6677721094092535	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	MYRTENYL-2-METHYL-PROPIONATE	Plant	8.0	12.0		--
19	CARVONE	Plant	8.0	12.0	-0.4319279701992528	--
11	ALPHA-PHELLANDRENE	Shoot	1.0	10.0	-0.2839552167099319	--
0	ALPHA-FENCHOL	Shoot	0.0	10.0	-1.4142135623730954	--
2	CITRONELLYL-ACETATE	Shoot	2.0	8.5	-0.20172491946646642	--
13	BETA-PINENE	Plant	2.0	8.0	-0.4268487360991912	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
1	COPAENE	Plant	2.0	8.0	-0.7831643620957981	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	CARVYL-ACETATE-II	Shoot	0.8	6.0		--
3	AR-CURCUMENE	Plant	4.0	6.0	-0.589673085617198	--
5	MYRTENAL	Plant	4.0	6.0	1.0	--
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	TRANS-ALLO-OCIMENE	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.
22	MYRCENE	Plant	2.0	6.0	-0.46951072518303016	--
0	GERANYL-2-METHYLPROPIONATE	Plant	4.0	6.0		--
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	GERANYL-2-METHYLOMBUTYRATE	Plant	4.0	6.0		--

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0	2-METHYL-BUTANAL	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	--
11	NEROLIDOL	Shoot	0.0	5.0	-0.3951214975377221	--
0	LIMONENE-OXIDE-II	Shoot	0.0	4.5	0.21270799391196718	--
2	MYRTENOL	Plant	3.0	4.0	-1.0	--
13	ALPHA-TERPINENE	Shoot	0.0	4.0	-0.47000816500737647	--
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.
2	ALPHA-HUMULENE	Plant	3.0	4.0	-0.7430109839502796	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
31	CARYOPHYLLENE	Plant	3.0	4.0	-0.5710991250271118	--
5	BETA-ELEMENE	Plant	3.0	4.0	-0.4608979924282207	--
8	CARYOPHYLLENE-OXIDE	Plant	2.0	3.0	-0.4090592161629753	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
37	CARVACROL	Plant	2.0	3.0	-0.8663816025698796	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	SABINENE	Shoot	0.4	3.0	-0.29272781709699197	--
0	LIMONENE-OXIDE-I	Shoot	0.4	2.5		--
0	PERILLENE	Shoot	0.0	2.5	-0.356535455724173	--
0	PENTADECANE	Plant	1.0	2.0		--
0	CALAMENENE	Plant	1.0	2.0	-0.7588347614195404	--
0	PROPANOL	Shoot	0.0	2.0		--
4	NERAL	Shoot	1.0	2.0	-0.5683722866724288	--
35	GERANIOL	Plant	1.0	2.0	-0.44931709206646747	--
0	MYRTENYL-2-METHYL-BUTYRATE	Plant	1.0	2.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	GERANIAL	Shoot	0.0	1.5	-0.6210581561316936	--
6	BETA-BISABOLENE	Plant	0.0	1.0	-0.6535148941588209	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
6	FURFURAL	Plant	0.0	1.0	-0.8970149171498789	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.
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-CARVYL-ACETATE	Plant	0.0	1.0		--
3	ALPHA-SELINENE	Plant	0.0	1.0	-0.9595850100763278	--
0	BUTYL-2-METHYLBUTYRATE	Plant	0.0	1.0		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	--
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.
9	TERPINOLENE	Plant	0.0	1.0	-0.7291018522032187	--
3	BETA-SELINENE	Plant	0.0	1.0	-0.7709379055711856	--
0	MYRTOCOMMULON-B	Leaf				--
23	CITRIC-ACID	Fruit				--
0	2-BUTANONE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	RESIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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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	MYRTOCOMMULON-A	Leaf				--
3	ACETONE	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.
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.
35	BORNEOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	L-MYRTENOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	5-METHYL-3-HEXANONE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
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	PALMITIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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.

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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	3,6-DIGALLOYLGLUCOSE	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.
7	ISOBORNEOL	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
7	DIPENTENE	Plant				--
34	MYRICETIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CALACORENE	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.
5	HEXANAL	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
10	NEROL	Plant				--
5	NERYL-ACETATE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	MYRTUCUMMULONE-A	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
8	DELTA-3-CARENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

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0	GALLOTANNINS	Plant				--
0	2-METHYL-FURAN	Plant				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	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.
15	MALIC-ACID	Fruit				--
0	MYRTOL	Leaf				--
0	SUGAR	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
27	LINOLEIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.