

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.
0	EO	Plant	1667.0	5900.0	-0.29173905112572635	--
0	EO	Leaf	1000.0	5000.0	-0.5748200656170724	--
0	ALCOHOLS	Plant	667.0	1000.0	-0.6742987756649957	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	MYRTENOLS	Plant	334.0	500.0		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
28	ALPHA-PINENE	Plant	242.0	1420.0	0.5234413297158256	--
1	TOLUENE	Plant	200.0	710.0	-1.0	--
0	2-METHYL-BUT-3-EN-2-OL	Plant	200.0	710.0		--
11	GAMMA-TERPINENE	Plant	185.0	278.0	-0.4209013957366027	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
60	LIMONENE	Plant	185.0	585.0	-0.1262705110543247	--
1	MYRTENYL-ACETATE	Plant	175.0	262.0		--
28	ALPHA-PINENE	Leaf	150.0	1900.0	-0.10118788305965953	--
67	1,8-CINEOLE	Leaf	135.0	2250.0	-0.24081674980649576	--
67	1,8-CINEOLE	Plant	135.0	2065.0	0.01796423062126339	--
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	--
1	MYRTENYL-ACETATE	Leaf	40.0	1000.0		--
60	LIMONENE	Leaf	40.0	585.0	0.16763618493123245	--
16	P-CYMENE	Plant	30.0	106.0	-0.3926619251887391	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

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0	ALDEHYDES	Plant	30.0	45.0		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
23	ALPHA-TERPINEOL	Leaf	20.0	600.0	0.4629879079223302	--
7	LINALYL-ACETATE	Plant	18.0	28.0	-0.5646034028299372	--
0	LINALOL	Plant	18.0	505.0	-0.3180486984089818	--
53	LINALOOL	Plant	18.0	505.0	-0.5959988975523308	--
41	CAMPHOR	Plant	12.0	18.0	-0.6448042875195812	--
12	BORNYL-ACETATE	Plant	12.0	18.0	-0.45749105875331714	--
0	ISOBUTYL-ISOBUTYRATE	Shoot	10.0	110.0		--
9	CAMPHENE	Plant	8.0	30.0	-0.5545069597862352	--
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	Leaf	8.0	250.0	0.29682879796236855	--
5	GERANYL-ACETATE	Plant	8.0	12.0	-0.55306285222535	--
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	--
0	BETA-CARYOPHYLLENE	Shoot	7.0	40.0	-0.3288775565477849	--
3	AR-CURCUMENE	Plant	4.0	6.0	-0.589673085617198	--
5	MYRTENAL	Plant	4.0	6.0	1.0	--
0	GERANYL-2-METHYLPROPIONATE	Plant	4.0	6.0		--
0	GERANYL-2-METHYLBUTYRATE	Plant	4.0	6.0		--
2	MYRTENOL	Plant	3.0	4.0	-1.0	--
2	MYRTENOL	Leaf	3.0	250.0	1.7099549006735737	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	--
2	CITRONELLYL-ACETATE	Shoot	2.0	8.5	-0.20172491946646642	--
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.
0	ALPHA-THUJENE	Shoot	2.0	18.0	-0.23235009860030018	--
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	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-BUTANAL	Plant	2.0	6.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
13	BETA-PINENE	Plant	2.0	8.0	-0.4268487360991912	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

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1	COPAENE	Plant	2.0	8.0	-0.7831643620957981	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	PENTADECANE	Plant	1.0	2.0		--
0	CALAMENENE	Plant	1.0	2.0	-0.7588347614195404	--
0	ISOBUTYL-2-METHYL-BUTYRATE	Shoot	1.0	20.0		--
11	ALPHA-PHELLANDRENE	Shoot	1.0	10.0	-0.2839552167099319	--
4	NERAL	Shoot	1.0	2.0	-0.5683722866724288	--
76	EUGENOL	Shoot	1.0	15.0	-0.4811620591902165	--
35	GERANIOL	Plant	1.0	2.0	-0.44931709206646747	--
0	MYRTENYL-2-METHYL-BUTYRATE	Plant	1.0	2.0		--
35	GERANIOL	Leaf	1.0	75.0	-0.19564022822357305	--
0	CARVYL-ACETATE-II	Shoot	0.8	6.0		--
0	2-METHYL-BUTANOL	Shoot	0.8	7.0	-1.0	--
0	CARVYL-ACETATE-I	Shoot	0.4	130.0		--
0	LIMONENE-OXIDE-I	Shoot	0.4	2.5		--
5	SABINENE	Shoot	0.4	3.0	-0.29272781709699197	--
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.
0	LIMONENE-OXIDE-II	Shoot	0.0	4.5	0.21270799391196718	--
16	ACETIC-ACID	Plant	0.0	1.0	-0.6988076937022064	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
8	TRANS-ANETHOLE	Shoot	0.0	5.0	-1.0	--

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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	PROPANOL	Shoot	0.0	2.0		--
13	ALPHA-TERPINENE	Shoot	0.0	4.0	-0.47000816500737647	--
0	PERILLENE	Shoot	0.0	2.5	-0.356535455724173	--
13	GERANIAL	Shoot	0.0	1.5	-0.6210581561316936	--
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	--
0	ALPHA-FENCHOL	Shoot	0.0	10.0	-1.4142135623730954	--
11	NEROLIDOL	Shoot	0.0	5.0	-0.3951214975377221	--
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.
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				--

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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.
51	ELLAGIC-ACID	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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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.
0	GALLOTANNINS	Plant				--

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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.
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.
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.