

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	--
16	ACETIC-ACID	Plant	0.0	1.0	-0.6988076937022064	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	ACETONE	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.
11	ALPHA-PHELLANDRENE	Shoot	1.0	10.0	-0.2839552167099319	--
28	ALPHA-PINENE	Leaf	150.0	1900.0	-0.10118788305965953	--
28	ALPHA-PINENE	Plant	242.0	1420.0	0.5234413297158256	--
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	--
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.
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	--
9	CAMPHENE	Plant	8.0	30.0	-0.5545069597862352	--

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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	--
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.
23	CITRIC-ACID	Fruit				--
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.
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.
76	EUGENOL	Shoot	1.0	15.0	-0.4811620591902165	--
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.

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	Plant	1.0	2.0	-0.44931709206646747	--
35	GERANIOL	Leaf	1.0	75.0	-0.19564022822357305	--
5	GERANYL-ACETATE	Plant	8.0	12.0	-0.55306285222535	--
5	GERANYL-ACETATE	Leaf	8.0	250.0	0.29682879796236855	--
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.
60	LIMONENE	Plant	185.0	585.0	-0.1262705110543247	--
60	LIMONENE	Leaf	40.0	585.0	0.16763618493123245	--
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.

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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	--
1	MYRTENYL-ACETATE	Leaf	40.0	1000.0		--
1	MYRTENYL-ACETATE	Plant	175.0	262.0		--
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.
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.
5	SABINENE	Shoot	0.4	3.0	-0.29272781709699197	--
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.

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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	--
8	TRANS-ANETHOLE	Shoot	0.0	5.0	-1.0	--
5	VERBENONE	Plant	0.0	1.0	-1.0163839203754967	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.