

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Myrtus communis*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
67	1,8-CINEOLE	Plant	135	2065	0.01796423062126339	
67	1,8-CINEOLE	Leaf	135	2065	-0.24081674980649576	
16	ACETIC-ACID	Plant	--	1	-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	4	-0.7430109839502796	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
11	ALPHA-PHELLANDRENE	Shoot	1	10	-0.2839552167099319	
28	ALPHA-PINENE	Leaf	150	1420	-0.10118788305965953	
28	ALPHA-PINENE	Plant	242	1420	0.5234413297158256	
3	ALPHA-SELINENE	Plant	--	1	-0.9595850100763278	
13	ALPHA-TERPINENE	Shoot	--	4	-0.47000816500737647	
23	ALPHA-TERPINEOL	Plant	58	88	-0.4123445345033982	
23	ALPHA-TERPINEOL	Leaf	20	88	0.4629879079223302	
3	AR-CURCUMENE	Plant	4	6	-0.589673085617198	
6	BETA-BISABOLENE	Plant	--	1	-0.6535148941588209	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	BETA-ELEMENE	Plant	3	4	-0.4608979924282207	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	BETA-PINENE	Plant	2	8	-0.4268487360991912	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	BETA-SELINENE	Plant	--	1	-0.7709379055711856	
35	BORNEOL	Plant	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
12	BORNYL-ACETATE	Plant	12	18	-0.45749105875331714	
9	CAMPHENE	Plant	8	30	-0.5545069597862352	
41	CAMPHOR	Plant	12	18	-0.6448042875195812	
37	CARVACROL	Plant	2	3	-0.8663816025698796	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
19	CARVONE	Plant	8	12	-0.4319279701992528	
31	CARYOPHYLLENE	Plant	3	4	-0.5710991250271118	
8	CARYOPHYLLENE-OXIDE	Plant	2	3	-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	8.5	-0.20172491946646642	
1	COPAENE	Plant	2	8	-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.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	DELTA-CADINENE	Plant	8	12	-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	15	-0.4811620591902165	
6	FURFURAL	Plant	--	1	-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.
11	GAMMA-TERPINENE	Plant	185	278	-0.4209013957366027	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
13	GERANIAL	Shoot	--	1.5	-0.6210581561316936	
35	GERANIOL	Leaf	1	2	-0.19564022822357305	
35	GERANIOL	Plant	1	2	-0.44931709206646747	
5	GERANYL-ACETATE	Plant	8	12	-0.55306285222535	
5	GERANYL-ACETATE	Leaf	8	12	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	Leaf	40	585	0.16763618493123245	
60	LIMONENE	Plant	185	585	-0.1262705110543247	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	LINALOOL	Plant	18	505	-0.5959988975523308	
7	LINALYL-ACETATE	Plant	18	28	-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	88	-1.0009165023038997	
20	METHYL-EUGENOL	Plant	8	12	-0.6677721094092535	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
22	MYRCENE	Plant	2	6	-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	6	1	
2	MYRTENOL	Plant	3	4	-1	
2	MYRTENOL	Leaf	3	4	1.7099549006735737	
1	MYRTENYL-ACETATE	Leaf	40	262		
1	MYRTENYL-ACETATE	Plant	175	262		
4	NERAL	Shoot	1	2	-0.5683722866724288	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	NEROL	Plant	--	--		
11	NEROLIDOL	Shoot	--	5	-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	106	-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	-0.29272781709699197	
35	TANNIN	Plant	140000	140000	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	4	-0.27974574786240924	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	TERPINOLENE	Plant	--	1	-0.7291018522032187	
1	TOLUENE	Plant	200	710	-1	
8	TRANS-ANETHOLE	Shoot	--	5	-1	
5	VERBENONE	Plant	--	1	-1.0163839203754967	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.