

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Eucalyptus globulus

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	(+)-CATECHIN	Leaf	--	--		
67	1,8-CINEOLE	Shoot	--	728000	10.305152225006955	
67	1,8-CINEOLE	Essential Oil	--	667000	1.9097239164573967	
67	1,8-CINEOLE	Fruit Essent. Oil	208100	725000	1.395591934022218	
67	1,8-CINEOLE	Leaf Essent. Oil	168000	691200	1.5300608304247285	
67	1,8-CINEOLE	Leaf	3500	29750	3.7465788103160196	
1	2,4,6-TRIMETHOXYPHENOL	Bark	--	--		
1	4-HYDROXY-TRITRIACONTANE-16,18-DIONE	Leaf	--	6		
11	ALPHA-PHELLANDRENE	Leaf Essent. Oil	1000	343000	0.46075475134298666	
11	ALPHA-PHELLANDRENE	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
11	ALPHA-PHELLANDRENE	Fruit Essent. Oil	--	83000	0.7081332746915394	
11	ALPHA-PHELLANDRENE	Essential Oil	--	1000	-0.5736860307676445	
11	ALPHA-PHELLANDRENE	Shoot	--	3000	7.3085148477973965	
28	ALPHA-PINENE	Fruit Essent. Oil	--	40900	-0.3076174544185865	
28	ALPHA-PINENE	Leaf	1250	8750	0.34354526763390963	
28	ALPHA-PINENE	Essential Oil	--	52000	-0.10249729010199074	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	ALPHA-PINENE	Leaf Essent. Oil	5000	260000	0.6771772357998844	
28	ALPHA-PINENE	Shoot	--	119000	11.720652666165982	
3	ALPHA-SELINENE	Leaf Essent. Oil	--	2000		
13	ALPHA-TERPINENE	Shoot	--	0.1	-0.48093760228289717	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
13	ALPHA-TERPINENE	Fruit Essent. Oil	--	--		
23	ALPHA-TERPINEOL	Essential Oil	--	9000	-0.3744746961998452	
23	ALPHA-TERPINEOL	Shoot	--	0.1	-0.2857345982558654	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
23	ALPHA-TERPINEOL	Leaf Essent. Oil	29000	58000	0.30722289388192564	
23	ALPHA-TERPINEOL	Fruit Essent. Oil	--	--		
6	ALPHA-THUJONE	Fruit Essent. Oil	--	--		
32	ALPHA-TOCOPHEROL	Leaf	--	333	-0.0008863644217758233	
101	APIGENIN	Leaf	--	--		
3	AROMADENDRENE	Shoot	--	20000	6.313001041104233	
3	AROMADENDRENE	Leaf Essent. Oil	8600	268000	1.4141831265968194	
3	AROMADENDRENE	Fruit Essent. Oil	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	AROMADENDRENE	Essential Oil	--	--		
3	AROMADENDRENE	Leaf	50	350	-0.40806189308755036	
24	BENZALDEHYDE	Shoot	--	0.1	-0.2247983186195243	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
9	BETA-AMYRIN	Wood	--	9		
5	BETA-ELEMENE	Shoot	--	0.1	-0.3396749847658091	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
13	BETA-EUDESOL	Leaf Essent. Oil	--	13000	1	
13	BETA-EUDESOL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
3	BETA-PHELLANDRENE	Fruit Essent. Oil	--	34300	-0.6379877744813619	
3	BETA-PHELLANDRENE	Essential Oil	--	--		
3	BETA-PHELLANDRENE	Leaf Essent. Oil	--	36000	2.0530780562532986	
13	BETA-PINENE	Shoot	--	7000	0.36923568596230105	
13	BETA-PINENE	Fruit Essent. Oil	--	--		
13	BETA-PINENE	Essential Oil	--	2000	-0.6859771042347549	
13	BETA-PINENE	Leaf Essent. Oil	3900	5000	-0.7824396522094309	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	BETA-PINENE	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
5	BETA-THUJONE	Fruit Essent. Oil	--	--		
35	BORNEOL	Shoot	--	3000	2.502127358747725	
35	BORNEOL	Leaf Essent. Oil	--	2000	-0.65804010899624	
35	BORNEOL	Fruit Essent. Oil	--	--		
2	BUTYRALDEHYDE	Leaf	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
102	CAFFEIC-ACID	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
1	CALYPTOSIDE	Leaf	--	--		
9	CAMPHENE	Fruit Essent. Oil	--	--		
9	CAMPHENE	Essential Oil	--	9000	-0.4234452941431629	
9	CAMPHENE	Shoot	--	0.1	-0.1342670938252942	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
9	CAMPHENE	Leaf Essent. Oil	4000	5100	-0.6956906319616664	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	CAMPHENE	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
1	CAPROIC-ACID	Fruit Essent. Oil	--	--		
19	CARVONE	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
31	CARYOPHYLLENE	Leaf Essent. Oil	--	167000	1.3972655179888909	
8	CARYOPHYLLENE-OXIDE	Leaf Essent. Oil	--	3000	-0.9728987333753536	
77	CHLOROGENIC-ACID	Bark	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
77	CHLOROGENIC-ACID	Wood	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
60	CHRYSIN	Leaf	--	--		
53	CITRAL	Fruit Essent. Oil	--	--		
3	CITRIODOROL	Plant	--	--		
3	CITRIODOROL	Resin, Exudate, Sap	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
20	CITRONELLAL	Leaf Essent. Oil	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	CITRONELLAL	Shoot	--	0.1	-0.22483909928564133	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
15	CITRONELLOL	Leaf Essent. Oil	--	136000	-0.402991928689751	
15	CITRONELLOL	Shoot	--	0.1	-0.1773498482378769	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
2	CITRONELLYL-ACETATE	Shoot	--	0.1	-0.23387536673936873	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
10	CUMINALDEHYDE	Leaf	25	135	0.2689923506737498	
10	CUMINALDEHYDE	Shoot	--	0.1	-0.32518936983709645	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
5	DAUCOSTEROL	Wood	--	6		
9	DELTA-CADINENE	Leaf Essent. Oil	--	--		
51	ELLAGIC-ACID	Stem	--	--		
51	ELLAGIC-ACID	Bark	--	--		
51	ELLAGIC-ACID	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	ELLAGITANNIN	Leaf	--	--		
10	ERIODICTYOL	Stem Bark	--	0.4		
24	ETHANOL	Leaf	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
7	EUCALYPTONE	Leaf	--	27		
6	FENCHONE	Fruit Essent. Oil	--	--		
61	FERULIC-ACID	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
62	GALLIC-ACID	Leaf	--	--		
62	GALLIC-ACID	Stem	--	--		
62	GALLIC-ACID	Bark	--	--		
11	GAMMA-TERPINENE	Leaf Essent. Oil	1000	89000	0.43854490711065486	
11	GAMMA-TERPINENE	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
11	GAMMA-TERPINENE	Fruit Essent. Oil	--	--		
11	GAMMA-TERPINENE	Shoot	--	0.1	-0.3942654916132095	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	GENTISIC-ACID	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
35	GERANIOL	Essential Oil	--	--		
30	HYPEROSIDE	Leaf	--	--		
3	ISOAMYL-ALCOHOL	Leaf	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
3	ISOAMYL-ALCOHOL	Fruit Essent. Oil	--	--		
22	ISOQUERCITRIN	Leaf	--	--		
60	LIMONENE	Shoot	--	0.1	-0.3283880008447348	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
60	LIMONENE	Leaf Essent. Oil	31000	52000	-0.448365224243177	
53	LINALOOL	Leaf Essent. Oil	--	2000	-0.6831836448335925	
53	LINALOOL	Shoot	--	2000	-0.14757543396854364	
27	LINOLEIC-ACID	Fruit	--	--		
78	LUTEOLIN	Leaf	--	--		
11	MACROCARPAL-A	Leaf	109	32000		
11	MACROCARPAL-A	Calyx	--	280		
10	MACROCARPAL-B	Leaf	13	33100		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	MACROCARPAL-B	Calyx	--	180		
8	MACROCARPAL-C	Calyx	--	430		
8	MACROCARPAL-C	Leaf	229	56300		
11	MACROCARPAL-D	Leaf	--	18		
11	MACROCARPAL-D	Calyx	--	250		
2	MACROCARPAL-E	Calyx	--	150		
8	MACROCARPAL-H	Leaf	--	23		
8	MACROCARPAL-I	Leaf	--	23		
8	MACROCARPAL-J	Leaf	--	28		
6	MASLINIC-ACID	Leaf	--	--		
22	MYRCENE	Shoot	--	5000	5.3645023580366304	
22	MYRCENE	Fruit Essent. Oil	--	--		
22	MYRCENE	Leaf Essent. Oil	900	1000	-0.3629034834688993	
6	MYRISTIC-ACID	Fruit	--	--		
2	MYRTENOL	Fruit Essent. Oil	--	--		
2	MYRTENOL	Shoot	--	0.1	-0.2513799778000483	Zrira, S. S., Benjlali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
56	NARINGENIN	Stem Bark	--	0.5		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
64	OLEANOLIC-ACID	Leaf	--	--		
18	OLEIC-ACID	Fruit	--	--		
16	P-CYMENE	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
16	P-CYMENE	Leaf Essent. Oil	3400	146000	1.3912935106767708	
16	P-CYMENE	Essential Oil	--	5000	-0.5921126100575014	
16	P-CYMENE	Shoot	--	0.1	-0.5013233805011584	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
13	PALMITIC-ACID	Fruit	--	--		
4	PARAFFIN	Leaf	20000	20000		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
12	PINENE	Leaf	1200	8400	1.3619605941453428	
1	PINOCARVONE	Leaf	--	--		
7	PIPERITONE	Fruit Essent. Oil	--	--		
7	PIPERITONE	Shoot	--	1000	-0.03161874369646552	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
43	PROTOCATECHUIC-ACID	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
176	QUERCETIN	Stem Bark	--	0.3		
176	QUERCETIN	Leaf	--	--		
1	QUERCETOL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
44	QUERCITRIN	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
44	QUERCITRIN	Leaf	--	--		
18	RHAMNETIN	Stem Bark	--	3.5		
87	RUTIN	Leaf	--	--	-1.0045451298553565	
5	SABINENE	Fruit Essent. Oil	--	--		
4	SAKURANETIN	Resin, Exudate, Sap	--	--		
17	TAXIFOLIN	Stem Bark	--	2		
23	TERPINEN-4-OL	Shoot	--	3000	1.0763688108037435	
23	TERPINEN-4-OL	Leaf Essent. Oil	--	8000	-0.48129072319747757	
23	TERPINEN-4-OL	Fruit Essent. Oil	--	--		
9	TERPINOLENE	Leaf Essent. Oil	1000	5000	-0.3048955154584189	
71	THYMOL	Fruit Essent. Oil	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	TRANS-PINOCARVEOL	Shoot	--	16000	6.8597544992151915	
2	TRANS-PINOCARVEOL	Fruit Essent. Oil	--	--		
2	TRANS-PINOCARVEOL	Essential Oil	--	--		
2	TRANS-PINOCARVEOL	Leaf	--	--		
2	TRANS-PINOCARVEOL	Leaf Essent. Oil	--	9400		
89	URSOLIC-ACID	Wood	--	8		
89	URSOLIC-ACID	Leaf	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
6	UVAOL	Wood	--	13		
5	VERBENONE	Fruit Essent. Oil	--	--		
5	VERBENONE	Shoot	--	1000	1.181949712897411	
1	VIRIDIFLOROL	Leaf Essent. Oil	--	--		
1	VIRIDIFLOROL	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.