

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Ageratum conyzoides*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(Z)-NEROLIDOL	Shoot	--	1180	1.414213467033246	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
0	(Z,E)-APHA-FARNESENE	Shoot	--	160		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
0	1-HYDROXY-2-ACETYL-4-METHYLBENZENE	Shoot	--	60		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
0	2,2-DIMETHYL-7-METHOXY-6-VINYLCROMENE	Shoot	--	920		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
0	2-CARENE	Shoot	--	1080	1	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
0	2-METHYL-6METHYLENE-OCTA-1,7-DIENE-3-ONE	Shoot	--	300		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
0	6,7-DIMETHOXY-2,2-DIMETHYLCHROMENE	Plant	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	6-DEMETOXYAGERATOCHROMENE	Plant	60	470		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	6-VINYL-DEMETHOXYAGERATOCHROMENE	Plant	0.7	6		
0	7-METHOXY-2,2-DIMETHYCHROMENE (PREOCENE 1)	Shoot	--	141120		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	AGERATOCHROMENE	Plant	62	500		
0	AGERATOCHROMENE (PREOCENE 2)	Shoot	--	880		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	ALPHA-BERGAMOTENE	Shoot	--	100	2.865646239607859	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	ALPHA-CARYOPHYLLENE	Shoot	--	22420	3.8723650281316564	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	ALPHA-CUBEBENE	Plant	--	--		
0	ALPHA-CUBEBENE	Shoot	--	140	3.2176441159515545	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	ALPHA-HUMELENE	Shoot	--	5060		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALPHA-MUUROLENE	Shoot	--	380	3.9743162254042654	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
28	ALPHA-PINENE	Shoot	--	420	-0.10556109077271972	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
28	ALPHA-PINENE	Plant	0.8	6.5	-0.47687546816603676	
13	ALPHA-TERPINENE	Plant	4	30	-0.4563792530327342	
0	ASH	Plant	97200	97200	-0.4301976713636941	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	BETA-CADINENE	Shoot	--	1620	1.4142135623730947	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	BETA-CARYOPHYLLENE	Plant	34	270	-0.48278584579429146	
0	BETA-CUBEBENE	Plant	4	32	1.7781592386140743	
0	BETA-CUBEBENE	Shoot	--	2460	4.864903734217578	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
5	BETA-ELEMENE	Plant	2	16	-0.41647408954357296	
0	BETA-FARNESENE	Plant	5	37.5	-0.2718588929054105	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BETA-FARNESENE	Shoot	--	580	2.8197410371551395	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
2	BETA-MYRCENE	Plant	2	15	-1	
2	BETA-MYRCENE	Shoot	--	320	0.29298395593600435	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
13	BETA-PINENE	Shoot	--	240	-0.10428886355139645	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
13	BETA-PINENE	Plant	0.8	6.5	-0.42846833747913055	
3	BETA-SELINENE	Plant	4	32	-0.44797743161568887	
47	BETA-SITOSTEROL	Plant	--	--		Wealth of India.
35	BORNEOL	Shoot	--	500	0.08469489557160183	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	BORNYL-ACETAE	Shoot	--	1540		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
1	BORNYL-FORMATE	Shoot	--	920	1.414213562373095	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	C15H24	Shoot	80	380		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
4	CADINENE	Plant	--	--		
0	CADINOL	Shoot	--	360		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
9	CAMPHENE	Shoot	--	3060	0.14804925218510195	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
9	CAMPHENE	Plant	5	38	-0.5408223163096343	
8	CARYOPHYLLENE-OXIDE	Shoot	--	300	0.25860416668796105	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
8	CARYOPHYLLENE-OXIDE	Plant	1	8	-0.39965795736454124	
0	CONYZORIGIN	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
57	COUMARIN	Shoot	--	1040	-1	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
57	COUMARIN	Plant	--	--		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DEMETHOXY-ENCECALIN	Shoot	--	200		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	DIHYDRODEMETHOXYENCECALIN	Shoot	--	400		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	DIHYDROENCECALIN	Shoot	--	260		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	DOTRIACONTENE	Plant	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. <i>Pharmacopees Traditionnelles en Guyane</i> . l'ORSTROM, Paris. 569 pp.
0	EICOSANE	Shoot	--	120		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, <i>Flavour Fragr. J.</i> , Vol.8, 257-260.
0	ENDO-BORNEOL	Plant	0.5	4		
0	ENDO-BORNYL-ACETATE	Plant	2	18		
0	EO	Plant	200	1600	-0.6185314263127774	List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ETHYL-EUGENOL	Plant	--	--		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	ETHYL-VANILLIN	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
76	EUGENOL	Shoot	--	800	0.15379660495713438	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
0	EXO-2-HYDROXYCINEOLE-ACETATE	Shoot	--	160		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
17	FARNESOL	Plant	0.5	3.5	-0.537692482101717	
0	FAT	Seed	256000	256000	-0.0494478009994907	Wealth of India.
2	FRIEDELIN	Plant	--	--		Wealth of India.
0	GAMMA-CADINENE	Shoot	--	2520	5.377506816867179	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
2	GERMACRENE-D	Shoot	--	6320	3.172650201402638	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
9	HCN	Plant	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. I'ORSTROM, Paris. 569 pp.
0	HEXADECENOIC-ACID	Seed	2535	2535	-1.2073852173362987	Wealth of India.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
75	KAEMPFEROL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	KAEMPFEROL-3,7-DIGLUCOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	KAEMPFEROL-3-O-RHAMNOSYLGLUCOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
60	LIMONENE	Shoot	--	340	-0.1553622230979656	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
0	LINALOL	Shoot	--	80	-0.20775636662408106	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
27	LINOLEIC-ACID	Seed	140135	140135	0.2828569767384904	Wealth of India.
0	LINOLENIC-ACID	Seed	30565	30565	-0.04627299402612243	Wealth of India.
18	OLEIC-ACID	Seed	18075	18075	-0.8305130987418275	Wealth of India.
13	PALMITIC-ACID	Seed	42315	42315	0.17349470074990356	Wealth of India.
0	PHYTOL-ISOMER	Shoot	--	640		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
176	QUERCETIN	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	QUERCETIN-3,7-DIGLUCOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	QUERCETIN-3-O-RHAMNOSYLGLUCOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
12	STIGMASTEROL	Plant	--	--		Wealth of India.
9	TERPINOLENE	Shoot	--	20	-0.22817845236300732	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
0	UNKNOWN	Shoot	--	360		R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.