

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Ageratum conyzoides*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--|------------|---------|----------|-------------------|--|
| 0 | (Z)-NEROLIDOL | Shoot | | 1180.0 | 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 | | 160.0 | | 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 | | 60.0 | | 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 | | 920.0 | | 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 | | 1080.0 | 1.0 | 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 | | 300.0 | | 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-DIMETHYLCROMENE | Plant | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | 6-DEMETOXYAGERATOCHROMENE | Plant | 60.0 | 470.0 | | -- |
| 0 | 6-VINYL-DEMETHOXYAGERATOCHROMENE | Plant | 0.7 | 6.0 | | -- |
| 0 | 7-METHOXY-2,2-DIMETHYLCROMENE (PREOCENE 1) | Shoot | | 141120.0 | | 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 | AGERATOCHROMENE | Plant | 62.0 | 500.0 | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|----------------------------------|------------|---------|----------|----------------------|--|
| 0 | AGERATOCHROMENE (PRECOCENE 2) | Shoot | | 880.0 | | 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 | ALPHA-BERGAMOTENE | Shoot | | 100.0 | 2.865646239607859 | 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 | ALPHA-CARYOPHYLLENE | Shoot | | 22420.0 | 3.8723650281316564 | 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 | ALPHA-CUBEBENE | Shoot | | 140.0 | 3.2176441159515545 | 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 | ALPHA-CUBEBENE | Plant | | | | -- |
| 0 | ALPHA-HUMELENE | Shoot | | 5060.0 | | 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 | ALPHA-MUUROLENE | Shoot | | 380.0 | 3.9743162254042654 | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 28 | ALPHA-PINENE | Shoot | | 420.0 | -0.10556109077271972 | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 28 | ALPHA-PINENE | Plant | 0.8 | 6.5 | -0.47687546816603676 | -- |
| 13 | ALPHA-TERPINENE | Plant | 4.0 | 30.0 | -0.4563792530327342 | -- |
| 0 | ASH | Plant | | 97200.0 | -0.4301976713636941 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------------|------------|---------|----------|----------------------|--|
| 0 | BETA-CADINENE | Shoot | | 1620.0 | 1.4142135623730947 | 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 | BETA-CARYOPHYLLENE | Plant | 34.0 | 270.0 | -0.48278584579429146 | -- |
| 0 | BETA-CUBEBENE | Shoot | | 2460.0 | 4.864903734217578 | 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 | BETA-CUBEBENE | Plant | 4.0 | 32.0 | 1.7781592386140743 | -- |
| 5 | BETA-ELEMENE | Plant | 2.0 | 16.0 | -0.41647408954357296 | -- |
| 0 | BETA-FARNESENE | Plant | 5.0 | 37.5 | -0.2718588929054105 | -- |
| 0 | BETA-FARNESENE | Shoot | | 580.0 | 2.8197410371551395 | 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 | BETA-MYRCENE | Plant | 2.0 | 15.0 | -1.0 | -- |
| 2 | BETA-MYRCENE | Shoot | | 320.0 | 0.29298395593600435 | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 13 | BETA-PINENE | Plant | 0.8 | 6.5 | -0.42846833747913055 | -- |
| 13 | BETA-PINENE | Shoot | | 240.0 | -0.10428886355139645 | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 3 | BETA-SELINENE | Plant | 4.0 | 32.0 | -0.44797743161568887 | -- |
| 47 | BETA-SITOSTEROL | Plant | | | | Wealth of India. |
| 35 | BORNEOL | Shoot | | 500.0 | 0.08469489557160183 | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---------------------|------------|---------|----------|----------------------|--|
| 0 | BORNYL-ACETAE | Shoot | | 1540.0 | | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 1 | BORNYL-FORMATE | Shoot | | 920.0 | 1.414213562373095 | 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 | C15H24 | Shoot | 80.0 | 380.0 | | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 4 | CADINENE | Plant | | | | -- |
| 0 | CADINOL | Shoot | | 360.0 | | 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 | CAMPHENE | Shoot | | 3060.0 | 0.14804925218510195 | 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 | CAMPHENE | Plant | 5.0 | 38.0 | -0.5408223163096343 | -- |
| 8 | CARYOPHYLLENE-OXIDE | Shoot | | 300.0 | 0.25860416668796105 | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 8 | CARYOPHYLLENE-OXIDE | Plant | 1.0 | 8.0 | -0.39965795736454124 | -- |
| 0 | CONYZORIGIN | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 57 | COUMARIN | Shoot | | 1040.0 | -1.0 | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---------------------------|------------|---------|----------|---------------------|---|
| 57 | COUMARIN | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | DEMETHOXY-ENCECALIN | Shoot | | 200.0 | | R. Vera, (1993); Chemical composition of the essential oil Ageratum conyzoides L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 0 | DIHYDRODEMETHOXYENCECALIN | Shoot | | 400.0 | | R. Vera, (1993); Chemical composition of the essential oil Ageratum conyzoides L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 0 | DIHYDROENCECALIN | Shoot | | 260.0 | | R. Vera, (1993); Chemical composition of the essential oil Ageratum conyzoides L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 0 | DOTRIACONTENE | Plant | | | | Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp. |
| 0 | EICOSANE | Shoot | | 120.0 | | R. Vera, (1993); Chemical composition of the essential oil Ageratum conyzoides L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| 0 | ENDO-BORNEOL | Plant | 0.5 | 4.0 | | -- |
| 0 | ENDO-BORNYL-ACETATE | Plant | 2.0 | 18.0 | | -- |
| 0 | EO | Plant | 200.0 | 1600.0 | -0.6185314263127774 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | ETHYL-EUGENOL | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 2 | ETHYL-VANILLIN | 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 |
|------------------|-----------------------------------|------------|---------|----------|---------------------|--|
| 76 | EUGENOL | Shoot | | 800.0 | 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 | | 160.0 | | 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 | | 256000.0 | -0.0494478009994907 | Wealth of India. |
| 2 | FRIEDELIN | Plant | | | | Wealth of India. |
| 0 | GAMMA-CADINENE | Shoot | | 2520.0 | 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 | | 6320.0 | 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. l'ORSTROM, Paris. 569 pp. |
| 0 | HEXADECENOIC-ACID | Seed | | 2535.0 | -1.2073852173362987 | Wealth of India. |
| 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 | -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. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|----------------------------------|------------|---------|----------|----------------------|--|
| 0 | LINALOL | Shoot | | 80.0 | -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 | | 140135.0 | 0.2828569767384904 | Wealth of India. |
| 0 | LINOLENIC-ACID | Seed | | 30565.0 | -0.04627299402612243 | Wealth of India. |
| 18 | OLEIC-ACID | Seed | | 18075.0 | -0.8305130987418275 | Wealth of India. |
| 13 | PALMITIC-ACID | Seed | | 42315.0 | 0.17349470074990356 | Wealth of India. |
| 0 | PHYTOL-ISOMER | Shoot | | 640.0 | | 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. |
| 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 | -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 | | 360.0 | | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |