

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Chrysanthemum x morifolium*

| Activities Count | Chemical            | Plant Part | Low PPM | High PPM | StdDev               | Reference Citation   |
|------------------|---------------------|------------|---------|----------|----------------------|--|
| 2                | GERMACRENE-D        | Plant      | 36.0    | 130.0    | -0.3120042673282946  | Wealth of India.   |
| 3                | ALPHA-SELINENE      | Plant      | 32.0    | 120.0    | 1.6504862173312838   | Wealth of India.   |
| 12               | BORNYL-ACETATE      | Plant      | 30.0    | 115.0    | -0.39546516463620013 | Wealth of India.   |
| 67               | 1,8-CINEOLE         | Plant      | 24.0    | 90.0     | -0.5364006987067864  | Wealth of India.   |
| 22               | MYRCENE             | Plant      | 24.0    | 90.0     | -0.37722360475393335 | Wealth of India.   |
| 3                | ALPHA-CADINOL       | Plant      | 18.0    | 70.0     | 0.7812684206594567   | Wealth of India.   |
| 8                | CARYOPHYLLENE-OXIDE | Plant      | 15.0    | 57.0     | -0.30752562113988746 | Wealth of India.   |
| 35               | BORNEOL             | Plant      | 12.0    | 45.0     | -0.6302706844154905  | Wealth of India.   |
| 11               | NEROLIDOL           | Plant      | 10.0    | 42.0     | -0.18982104327431903 | Wealth of India.   |
| 9                | CAMPHENE            | Plant      | 8.0     | 30.0     | -0.5545069597862352  | Wealth of India.   |
| 13               | ALPHA-TERPINENE     | Plant      | 6.0     | 24.0     | -0.4654209872833327  | Wealth of India.   |
| 7                | LINALYL-ACETATE     | Plant      | 6.0     | 23.0     | -0.567007818782863   | Wealth of India.   |
| 5                | SABINENE            | Plant      | 4.0     | 17.0     | -0.441840720596955   | Wealth of India.   |
| 3                | AR-CURCUMENE        | Plant      | 4.0     | 15.0     | -0.514502295665997   | Wealth of India.   |
| 28               | ALPHA-PINENE        | Plant      | 3.0     | 14.0     | -0.4715678091747994  | Wealth of India.   |
| 16               | P-CYMENE            | Plant      | 3.0     | 14.0     | -0.4166106950305513  | Wealth of India.   |
| 53               | LINALOOL            | Plant      | 3.0     | 10.0     | -0.6629650658166377  | Wealth of India.   |
| 5                | BETA-ELEMENE        | Plant      | 2.0     | 6.0      | -0.45349400861411276 | Wealth of India.   |
| 13               | BETA-PINENE         | Plant      | 0.4     | 1.5      | -0.4338670087455951  | Wealth of India.   |
| 28               | ADENOSINE           | Plant      |         |          |                      | --   |
| 24               | ETHANOL             | Plant      |         |          |                      | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 41               | CAMPHOR             | Flower     |         |          |                      | Wealth of India.   |
| 16               | ACETIC-ACID         | Flower     |         |          |                      | Wealth of India.   |
| 2                | CAMPESTEROL         | Flower     |         |          |                      | Wealth of India.   |
| 6                | PROPIONIC-ACID      | Flower     |         |          |                      | Wealth of India.   |

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|------------------|------------------------|------------|---------|----------|--------|-------------------|
| 16               | ACACETIN               | Flower     |         |          |        | Wealth of India.  |
| 1                | LIGNOCERIC-ACID        | Flower     |         |          |        | Wealth of India.  |
| 2                | CHRYSANTHENE           | Flower     |         |          |        | Wealth of India.  |
| 1                | CHRYSANTHEMOL          | Flower     |         |          |        | Wealth of India.  |
| 89               | URSOLIC-ACID           | Flower     |         |          |        | Wealth of India.  |
| 5                | BETA-ELEMENE           | Flower     |         |          |        | Wealth of India.  |
| 71               | THYMOL                 | Flower     |         |          |        | Wealth of India.  |
| 35               | BORNEOL                | Flower     |         |          |        | --                |
| 13               | PALMITIC-ACID          | Flower     |         |          |        | Wealth of India.  |
| 24               | BENZALDEHYDE           | Flower     |         |          |        | Wealth of India.  |
| 12               | BORNYL-ACETATE         | Flower     |         |          |        | Wealth of India.  |
| 12               | STIGMASTEROL           | Flower     |         |          |        | Wealth of India.  |
| 1                | BEHENIC-ACID           | Flower     |         |          |        | Wealth of India.  |
| 20               | BENZOIC-ACID           | Flower     |         |          |        | Wealth of India.  |
| 4                | COSMOSIIN              | Plant      |         |          |        | --                |
| 8                | STEARIC-ACID           | Flower     |         |          |        | Wealth of India.  |
| 2                | APIGENIN-7-O-GLUCOSIDE | Flower     |         |          |        | Wealth of India.  |
| 7                | LUTEOLIN-7-GLUCOSIDE   | Flower     |         |          |        | --                |
| 3                | ARTEGLASIN-A           | Plant      |         |          |        | Wealth of India.  |
| 20               | CHOLINE                | Flower     |         |          |        | --                |
| 6                | STACHYDRINE            | Flower     |         |          |        | --                |
| 7                | ANISALDEHYDE           | Flower     |         |          |        | Wealth of India.  |
| 78               | LUTEOLIN               | Flower     |         |          |        | Wealth of India.  |
| 1                | CHLOROCHRYMORIN        | Plant      |         |          |        | --                |
| 47               | BETA-SITOSTEROL        | Flower     |         |          |        | Wealth of India.  |
| 9                | BETA-AMYRIN            | Flower     |         |          |        | Wealth of India.  |

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|------------------|----------|------------|---------|----------|--------|--|
| 1                | LINARIN  | Flower     |         |          |        | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |