

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Tagetes minuta*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Refernce Citation |
|------------------|----------------------------|--------------------|----------|----------|----------------------|--|
| 60 | LIMONENE | Fruit Essent. Oil | 213100.0 | 353200.0 | -0.32654836924013236 | -- |
| 60 | LIMONENE | Flower Essent. Oil | 166300.0 | 353200.0 | 0.7456036872623704 | -- |
| 0 | DIHYDRO-TAGETONE | Fruit Essent. Oil | 154300.0 | 166200.0 | | -- |
| 0 | CIS-TAGETENONE | Fruit Essent. Oil | 132200.0 | 137600.0 | | -- |
| 0 | TRANS-TAGETENONE | Fruit Essent. Oil | 132200.0 | 137600.0 | | -- |
| 0 | DIHYDRO-TAGETONE | Flower Essent. Oil | 90700.0 | 480900.0 | | -- |
| 0 | CIS-TAGETONE | Fruit Essent. Oil | 87800.0 | 246200.0 | | -- |
| 0 | DIHYDRO-TAGETONE | Essential Oil | 77300.0 | 990000.0 | | -- |
| 0 | CIS-TAGETONE | Flower Essent. Oil | 70000.0 | 271500.0 | | -- |
| 0 | TRANS-TAGETONE | Flower Essent. Oil | 34300.0 | 272700.0 | | -- |
| 0 | TRANS-TAGETENONE | Flower Essent. Oil | 5000.0 | 132200.0 | | -- |
| 0 | TRANS-TAGETONE | Fruit Essent. Oil | 4900.0 | 44900.0 | | -- |
| 0 | EO | Plant | 1870.0 | 5000.0 | -0.36013745523464397 | Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952. |
| 0 | CIS-TAGETENONE | Flower Essent. Oil | 1300.0 | 132200.0 | | -- |
| 2 | BETA-MYRCENE | Plant | 374.0 | 1000.0 | 1.0 | -- |
| 3 | AROMADENDRENE | Ge | 324.0 | 925.0 | | -- |
| 3 | AROMADENDRENE | Plant | 324.0 | 925.0 | 1.7318445510029972 | -- |
| 2 | TAGETONE | Plant | 288.0 | 3000.0 | 1.4127994891069109 | -- |
| 0 | PHENYL-ETHYL-ALCOHOL | Plant | 288.0 | 770.0 | 1.39670970884395 | -- |
| 2 | OCIMENE | Plant | 280.0 | 1500.0 | 0.3961170617858969 | -- |
| 7 | D-CARVONE | Plant | 122.0 | 325.0 | | -- |
| 0 | LINALOL-MONOXIDE | Plant | 93.0 | 250.0 | | -- |
| 0 | LINALOOL-MONOXIDE | Plant | 93.0 | 250.0 | | -- |
| 0 | 2,6-DIMETHYL-7-OCTEN-4-ONE | Plant | 93.0 | 500.0 | | Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952. |
| 2 | PHENYL-ACETALDEHYDE | Plant | 65.0 | 175.0 | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------------------------------|--------------------|---------|----------|----------------------|--|
| 0 | 2-HEXEN-1-AL | Plant | 65.0 | 175.0 | | -- |
| 19 | D-LIMONENE | Plant | 56.0 | 425.0 | -0.4885256071430556 | -- |
| 5 | SALICYLALDEHYDE | Plant | 47.0 | 395.0 | | -- |
| 67 | 1,8-CINEOLE | Plant | 47.0 | 125.0 | -0.526576510085783 | -- |
| 0 | EUDESMOL | Plant | 41.0 | 110.0 | -1.0 | -- |
| 7 | LINALYL-ACETATE | Plant | 34.0 | 125.0 | -0.5179577333431766 | -- |
| 0 | L-LINALOL | Plant | 1.0 | 175.0 | -0.17946446333066804 | -- |
| 0 | L-LINALOOL | Plant | 1.0 | 175.0 | -0.38254777872090373 | -- |
| 0 | 5-HYDROXY-3,7-DIETHYL-OCT-1-EN-6-ONE | Flower Essent. Oil | | | | -- |
| 53 | CITRAL | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 60 | LIMONENE | Essential Oil | | | | -- |
| 2 | TAGETONE | Essential Oil | | | | -- |
| 18 | TERPINEOL | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 2 | PYRETHRIN-I | Tissue Culture | | | | -- |
| 0 | TRANS-TAGETONE | Essential Oil | | 1300.0 | | -- |
| 2 | (5E)-OCIMENONE | Plant | | | | Abstract (See species file) |
| 11 | GAMMA-TERPINENE | Essential Oil | | 4300.0 | -0.7634064999488264 | -- |
| 0 | QUERCETAGETRIN | Shoot | | | | -- |
| 3 | CIS-OCIMENE | Essential Oil | | 513200.0 | | -- |
| 0 | BUTYRIC-ACID-2-METHYL-ETHYL-ESTER | Fruit Essent. Oil | | 16500.0 | | -- |
| 10 | ALPHA-TERTHIENYL | Flower Essent. Oil | | 3600.0 | | -- |
| 13 | PALMITIC-ACID | Seed Oil | | 216400.0 | 0.22973165000663703 | -- |
| 0 | TRANS-OCIMENE | Flower Essent. Oil | | 3300.0 | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------------------------|--------------------|---------|----------|----------------------|--|
| 0 | DIHYDROTAGETENONE | Flower Essent. Oil | | 44000.0 | | -- |
| 0 | 3,7-DIMETHYL-OCTA-1,7-DIEN-6-ONE | Flower Essent. Oil | | 7.0 | | -- |
| 13 | BETA-PINENE | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 60 | LIMONENE | Shoot Essent. Oil | | 83000.0 | -0.06856978436527997 | -- |
| 6 | SYRINGIC-ACID | Shoot | | | | -- |
| 0 | PROPIONIC-ACID-2-METHYL-ETHYL-ESTER | Fruit Essent. Oil | | 3300.0 | | -- |
| 0 | TRANS-TAGETONE | Shoot Essent. Oil | | 63000.0 | | -- |
| 0 | GAMMA-ELEMENE | Essential Oil | | 700.0 | | -- |
| 35 | BORNEOL | Essential Oil | | 6500.0 | -0.8514325616391961 | -- |
| 28 | ALPHA-PINENE | Essential Oil | | 10300.0 | -0.4694352163298297 | -- |
| 16 | P-CYMENE | Flower Essent. Oil | | 100.0 | | -- |
| 0 | TRANS-OCIMENE | Essential Oil | | 78000.0 | 1.3422809192685805 | -- |
| 0 | DIHYDROCARVONE | Essential Oil | | 9100.0 | -0.482867976917054 | -- |
| 0 | 3,7-DIMETHYL-OCT-1-EN-6-ONE | Flower Essent. Oil | | 5.6 | | -- |
| 3 | BETA-PHELLANDRENE | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | JASMOLIN-II | Tissue Culture | | | | -- |
| 8 | STEARIC-ACID | Seed Oil | | | | -- |
| 0 | CIS-TAGETONE | Shoot Essent. Oil | | 141000.0 | | -- |
| 7 | PIPERITONE | Fruit Essent. Oil | | 4100.0 | 1.0 | -- |
| 13 | FORMIC-ACID | Essential Oil | | | | -- |
| 0 | BETA-TAGETONE | Shoot Essent. Oil | | | | -- |
| 0 | SYRINGIC-ACID-MONOMETHYLESTER | 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 |
|------------------|----------------------|--------------------|---------|----------|----------------------|--|
| 28 | ALPHA-PINENE | Leaf Essent. Oil | | | | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 18 | OLEIC-ACID | Seed Oil | | 16.0 | -1.6780330457687065 | -- |
| 0 | TRANS-BETA-OCIMENE | Leaf Essent. Oil | | 7000.0 | -0.08149887373862419 | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 0 | DELTA-ELEMENE | Flower Essent. Oil | | 700.0 | | -- |
| 0 | 2,3,5-TRIMETHYLFURAN | Fruit Essent. Oil | | 18900.0 | | -- |
| 0 | JASMOLIN-I | Tissue Culture | | | | -- |
| 0 | SPATHULENOL | Flower Essent. Oil | | 100.0 | | -- |
| 1 | EUGENOL-ACETATE | Leaf Essent. Oil | | | | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 13 | BETA-PINENE | Leaf Essent. Oil | | | | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 0 | PHENYLETHANOL | Essential Oil | | | | -- |
| 28 | ALPHA-PINENE | Flower Essent. Oil | | 100.0 | -1.0 | -- |
| 35 | GERANIOL | 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 |
|------------------|----------------------------------|--------------------|---------|----------|---------------------|--|
| 0 | OCTAN-1-OL | Flower Essent. Oil | | 1900.0 | | -- |
| 0 | TRANS-BETA-OCIMENE | Fruit Essent. Oil | | 394400.0 | | -- |
| 0 | DECAN-1-OL-ACETATE | Flower Essent. Oil | | 800.0 | | -- |
| 0 | CINERIN-II | Tissue Culture | | | | -- |
| 16 | P-CYMENE | Plant | | | | -- |
| 0 | QUERCETAGETRIN | Tissue Culture | | | | -- |
| 11 | ISORHAMNETIN | Leaf | | | | -- |
| 0 | SPATHULENOL | Essential Oil | | 20900.0 | 1.0 | -- |
| 0 | CIS-TAGETENONE | Shoot Essent. Oil | | | | -- |
| 0 | TRANS-TAGETENONE | Shoot Essent. Oil | | | | -- |
| 0 | EO | Shoot Essent. Oil | | | | -- |
| 13 | BETA-PINENE | Essential Oil | | 14800.0 | -0.4017613642678912 | -- |
| 5 | SABINENE | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 4 | PELLANDRENE | Flower Essent. Oil | | 1700.0 | | -- |
| 2 | ALPHA-HUMULENE | Flower Essent. Oil | | 4000.0 | | -- |
| 0 | FUMARIC-ACID-MONOMETHYLESTER | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | OCTAN-1-OL | Fruit Essent. Oil | | 2600.0 | 1.0 | -- |
| 0 | TRANS-BETA-OCIMENE | Shoot Essent. Oil | | | | -- |
| 0 | DECAN-1-OL | Flower Essent. Oil | | 800.0 | -1.0 | -- |
| 0 | CINERIN-I | Tissue Culture | | | | -- |
| 23 | ALPHA-TERPINEOL | Plant | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 0 | QUERCETAGETIN-7-O-BETA-GLUCOSIDE | Leaf | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--|--------------------|---------|----------|---------------------|--|
| 1 | VIRIDIFLOROL | Flower Essent. Oil | | 500.0 | | -- |
| 28 | ALPHA-PINENE | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | HEXAN-1-AL | Leaf Essent. Oil | | | | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 5 | SALICYLALDEHYDE | Essential Oil | | | | -- |
| 3 | ELEMENE | Fruit Essent. Oil | | 6900.0 | | -- |
| 3 | BETA-PHELLANDRENE | Leaf Essent. Oil | | | | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 0 | QUERCETAGETRIN | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | PATULITRIN | Tissue Culture | | | | -- |
| 0 | ALPHA-COPAENE | Essential Oil | | 1000.0 | -0.5679033734252681 | -- |
| 0 | OCTAN-1-AL | Fruit Essent. Oil | | 6200.0 | | -- |
| 71 | THYMOL | Fruit Essent. Oil | | 3600.0 | | -- |
| 1 | DECAN-1-AL | Fruit Essent. Oil | | 2800.0 | | -- |
| 31 | CARYOPHYLLENE | Flower Essent. Oil | | 5200.0 | | -- |
| 2 | 5-(3-BUTEN-1-YNYL)-2,2'-BITHIENYL | Plant | | | | -- |
| 0 | QUERCETAGETIN-3-ARABINOSYL-GALACTOSIDE | Leaf | | | | -- |
| 0 | 5-METHYL-2,2',2'',5'-TERTHIOPHENE | Flower Essent. Oil | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---|--------------------|---------|----------|---------------------|--|
| 0 | 5-(BUT-3-EN-1-YNYL-2,2'-BITHIENYL | Plant | | | | -- |
| 0 | HEPTAN-1-AL | Leaf Essent. Oil | | | | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 5 | SABINENE | Flower Essent. Oil | | 1800.0 | | -- |
| 0 | CIS-OCIMENONE | Fruit Essent. Oil | | 91500.0 | | -- |
| 0 | TRANS-OCIMENONE | Fruit Essent. Oil | | 148300.0 | | -- |
| 3 | BETA-PHELLANDRENE | Shoot Essent. Oil | | | | -- |
| 0 | PATULETRIN | Shoot | | | | -- |
| 0 | ACETIC-ACID-2-METHYL-BUTYL-ESTER | Fruit Essent. Oil | | 2300.0 | | -- |
| 0 | MONOMETHYLFUMARATE | Shoot | | | | -- |
| 7 | THIOPHENE | Root | | | | -- |
| 0 | D-CADINENE | Flower Essent. Oil | | 200.0 | | -- |
| 19 | CARVONE | Fruit Essent. Oil | | 7700.0 | -0.6921983533349608 | -- |
| 0 | QUERCETAGETIN-3-ARABINO-GALACTOSIDE | Shoot | | | | -- |
| 0 | 2,2',2'',5'-TERTHIOPHENE | Flower Essent. Oil | | | | -- |
| 0 | 5-(4-CHLORO-3-HYDROXYBUT-1-YNYL)-2,2'-BITHIENYL | Root | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | GLOBULOL | Flower Essent. Oil | | 1200.0 | | -- |
| 5 | SABINENE | Leaf Essent. Oil | | | | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 0 | CIS-OCIMENONE | Essential Oil | | 61700.0 | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------------------------|--------------------|---------|----------|---------------------|--|
| 13 | BETA-EUDESOL | Leaf Essent. Oil | | 10000.0 | -1.0 | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 0 | PATULETIN-7-O-BETA-D-GLUCOSIDE | Leaf | | | | -- |
| 0 | TRANS-OCIMENONE | Essential Oil | | 57800.0 | | -- |
| 16 | ACETIC-ACID | Essential Oil | | | | -- |
| 60 | LIMONENE | Leaf Essent. Oil | | 200000.0 | 0.20584956866150136 | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 7 | THIOPHENE | Leaf | | | | -- |
| 53 | CITRAL | Essential Oil | | | | -- |
| 8 | QUERCETAGETIN | Leaf | | | | -- |
| 0 | VALERIANIC-ACID | Essential Oil | | | | -- |
| 2 | GERMACRENE-D | Flower Essent. Oil | | 1900.0 | | -- |
| 5 | SABINENE | Fruit Essent. Oil | | 2200.0 | -0.7067721445459115 | -- |
| 0 | CIS-OCIMENONE | Leaf Essent. Oil | | 321000.0 | | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 19 | CARVONE | Essential Oil | | 8800.0 | -0.8252268577968479 | -- |
| 0 | BETA-CARYOPHYLLENE | Fruit Essent. Oil | | 5800.0 | -0.6397785658600676 | -- |
| 0 | PATULETRIN | 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 |
|------------------|---|--------------------|---------|----------|----------------------|--|
| 0 | PATULETIN-7-O-BETA-D-GLUCOSIDE | Shoot | | | | -- |
| 0 | TRANS-OCIMENONE | Flower Essent. Oil | | 100000.0 | | -- |
| 0 | 5-METHYL-ALPHA-TERTHIENYL | Flower Essent. Oil | | 2000.0 | | -- |
| 9 | TERPINOLENE | Essential Oil | | 1200.0 | -0.38665617795621554 | -- |
| 0 | CIS-TAGETONE | Essential Oil | | 41700.0 | | -- |
| 8 | QUERCETAGETIN | Shoot | | | | -- |
| 0 | TRANS-TAGETONE | Leaf Essent. Oil | | 60000.0 | | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 0 | GERMACRENE-B | Flower Essent. Oil | | 11200.0 | | -- |
| 0 | QUERCETIN-5-O-BETA-D-GLUCOSIDE | Shoot | | | | -- |
| 0 | CIS-OCIMENONE | Flower Essent. Oil | | 100000.0 | | -- |
| 1 | CARVEOL | Essential Oil | | 8500.0 | | -- |
| 0 | ALPHA-THUJENE | Essential Oil | | 800.0 | -0.3954227110609452 | -- |
| 0 | OCIMENONE | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 2 | PATULETIN | Leaf | | | | -- |
| 0 | TRANS-OCIMENONE | Leaf Essent. Oil | | 356000.0 | | Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 0 | DIHYDRO-TAGETONE | Shoot Essent. Oil | | 300000.0 | | -- |
| 0 | 5-ISOBUTYL-3-METHYLFURAN-2-CARBALDEHYDE | Essential Oil | | 1000.0 | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|------------------|--------------------|---------|----------|--------|--|
| 0 | CYMENE | Plant | | | | -- |
| 23 | TERPINEN-4-OL | Flower Essent. Oil | | 500.0 | | -- |
| 0 | CIS-TAGETONE | Leaf Essent. Oil | | 20000.0 | | Zygadlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| 9 | VALERIC-ACID | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 2 | PYRETHRIN-II | Tissue Culture | | | | -- |
| 11 | GAMMA-TERPINENE | Flower Essent. Oil | | 100.0 | | -- |
| 176 | QUERCETIN | Shoot | | | | -- |
| 3 | CIS-OCIMENE | Flower Essent. Oil | | 283500.0 | | -- |
| 9 | CAMPHENE | Essential Oil | | | | -- |
| 10 | ALPHA-TERTHIENYL | Root | | | | Downum, K. R., Towers, G. H. N. 1983. Analysis of Thiophenes in the Tageteae (Asteraceae) by HPLC. J. Nat. Prod. 46 1: 98-103. Dept. Botany Univ. British Columbia Vancouver BC V6T 1W5 Canada |
| 2 | PATULETIN | Shoot | | | | -- |
| 0 | TRANS-OCIMENONE | Shoot Essent. Oil | | | | -- |
| 0 | DIHYDRO-TAGETONE | Leaf Essent. Oil | | | | -- |