

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Thymus mastichina*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-----------------|------------|---------|----------|---------------------|--|
| 5 | ISOVALERIC-ACID | Plant | | | | Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952. |
| 16 | ACETIC-ACID | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 1 | COPAENE | Plant | | 1.0 | -0.9293550430203471 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 9 | TERPINOLENE | Plant | | 1.0 | -0.7291018522032187 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 2 | ELEMOL | Plant | | 1.0 | -0.6362027563125957 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 3 | AROMADENDRENE | Plant | | 20.0 | -0.5798358599965786 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 5 | GERANYL-ACETATE | Plant | | 10.0 | -0.5554730038631799 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 71 | THYMOL | Plant | | 190.0 | -0.5519323646581084 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 9 | DELTA-CADINENE | Plant | | 5.0 | -0.5302645800660227 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 11 | GAMMA-TERPINENE | Plant | 1.0 | 60.0 | -0.5095596533296728 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 7 | LINALYL-ACETATE | Plant | 100.0 | 150.0 | -0.5059356535785476 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 13 | ALPHA-TERPINENE | Plant | | 1.0 | -0.5000809685772936 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |

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|------------------|--------------------|------------|---------|----------|----------------------|--|
| 12 | BORNYL-ACETATE | Plant | | 20.0 | -0.45621217433853123 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 35 | GERANIOL | Plant | | 20.0 | -0.4462239615982892 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 41 | CAMPHOR | Plant | 1.0 | 450.0 | -0.42527914589418986 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 8 | CARYOPHYLENE-OXIDE | Plant | | 1.0 | -0.41281971968234893 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 31 | CARYOPHYLENE | Plant | | 130.0 | -0.40415175595706687 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 22 | MYRCENE | Plant | 20.0 | 90.0 | -0.37722360475393335 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 5 | SABINENE | Plant | 80.0 | 110.0 | -0.3742565314266971 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 9 | CAMPHENE | Plant | 20.0 | 140.0 | -0.36634311198297265 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 35 | BORNEOL | Plant | 1.0 | 350.0 | -0.3546486918042286 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 16 | P-CYMENE | Plant | 130.0 | 340.0 | -0.33174874972152113 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 60 | LIMONENE | Plant | 240.0 | 280.0 | -0.3137195411356855 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 28 | ALPHA-PINENE | Plant | | 260.0 | -0.297476594262215 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 23 | TERPINEN-4-OL | Plant | 10.0 | 70.0 | -0.2509934253138247 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------|------------|---------|----------|----------------------|--|
| 13 | BETA-PINENE | Plant | 200.0 | 270.0 | -0.14395836173644924 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 23 | ALPHA-TERPINEOL | Plant | 210.0 | 800.0 | 0.13869607083732804 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 2 | TRANS-PINOCARVEOL | Plant | | 75.0 | 1.0 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 67 | 1,8-CINEOLE | Plant | 300.0 | 7500.0 | 1.5435203779113653 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |