

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Piper auritum*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Refernce Citation |
|------------------|---------------------|------------|---------|----------|----------------------|---|
| 67 | 1,8-CINEOLE | Leaf | | | | Tramil |
| 0 | ACADINE-1,4-DIENE | Leaf | | | | Tramil |
| 0 | ALPHA-CARYOPHYLLENE | Leaf | | | | Tramil |
| 0 | ALPHA-COPAENE | Leaf | | | | Tramil |
| 0 | ALPHA-CUBEBENE | Leaf | | | | Tramil |
| 11 | ALPHA-PHELLANDRENE | Leaf | | | | Tramil |
| 28 | ALPHA-PINENE | Leaf | | | | Tramil |
| 13 | ALPHA-TERPINENE | Leaf | | | | Tramil |
| 0 | ALPHA-THUJENE | Leaf | | | | Tramil |
| 0 | APORPHINES | Plant | | | | Tramil |
| 112 | ASCORBIC-ACID | Leaf | 490.0 | 3370.0 | -0.13122703957400533 | -- |
| 0 | ASH | Leaf | 24000.0 | 135000.0 | 0.28451335689728435 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | AURANTIAMIDE-I | Leaf | | | | Tramil |
| 0 | AURANTIAMIDE-II | Leaf | | | | Tramil |
| 20 | BENZOIC-ACID | Leaf | | | | Tramil |
| 6 | BETA-BISABOLENE | Leaf | | | | Tramil |
| 0 | BETA-BOURBONINE | Leaf | | | | Tramil |
| 53 | BETA-CAROTENE | Leaf | 34.0 | 193.0 | -0.297434471728523 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 3 | BETA-PHELLANDRENE | Leaf | | | | Tramil |
| 13 | BETA-PINENE | Leaf | | | | Tramil |
| 47 | BETA-SITOSTEROL | Leaf | | | | Tramil |
| 35 | BORNEOL | Leaf | | | | Tramil |
| 0 | BORNEOL-ACETATE | Leaf | | | | Tramil |
| 28 | CALCIUM | Leaf | 2570.0 | 14440.0 | -0.2731179416715471 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 9 | CAMPHENE | Leaf | | | | Tramil |

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|------------------|---------------------|------------|---------|----------|----------------------|--|
| 41 | CAMPHOR | Leaf | | | | Tramil |
| 0 | CARBOHYDRATES | Leaf | 82500.0 | 567000.0 | -0.35667213606684206 | -- |
| 31 | CARYOPHYLLENE | Leaf | | | | Tramil |
| 8 | CARYOPHYLLENE-OXIDE | Leaf | | | | Tramil |
| 0 | CEPHARADIONE-A | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | CEPHARADIONE-B | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 9 | DELTA-CADINENE | Leaf | | | | Tramil |
| 0 | DELTA-ELEMENE | Leaf | | | | Tramil |
| 0 | ELEMICINE | Leaf | | | | Tramil |
| 0 | EO | Leaf | 4700.0 | 5800.0 | -0.5044522185403278 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| 76 | EUGENOL | Leaf | | | | Tramil |
| 0 | FAT | Leaf | 14000.0 | 79000.0 | 0.4491077438213098 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 15 | FIBER | Leaf | 22000.0 | 124000.0 | -0.46416233179014565 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | GAMMA-MUUROLENE | Leaf | | | | Tramil |
| 11 | GAMMA-TERPINENE | Leaf | | | | Tramil |
| 2 | HUMULENE | Leaf | | | | Tramil |
| 6 | IRON | Leaf | 48.0 | 315.0 | -0.12213582064856994 | -- |
| 0 | KILOCALORIES | Leaf | 570.0 | 3200.0 | 0.2932355966920321 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 10 | LIGNANS | Leaf | | | | Tramil |
| 60 | LIMONENE | Leaf | | | | Tramil |
| 53 | LINALOOL | Leaf | | | | Tramil |
| 0 | MUUROLENE | Leaf | | | | Tramil |

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|------------------|----------------------|------------|----------|----------|----------------------|---|
| 22 | MYRCENE | Leaf | | | | Tramil |
| 31 | MYRISTICIN | Leaf | | | | Tramil |
| 0 | N-HEXADECANE | Leaf | | | | Tramil |
| 39 | NIACIN | Leaf | 9.0 | 100.0 | 0.03039961658184584 | -- |
| 0 | NONAN-2-ONE | Leaf | | | | Tramil |
| 0 | PARACIMENENE | Leaf | | | | Tramil |
| 0 | PARACIMENOL-8 | Leaf | | | | Tramil |
| 4 | PHOSPHORUS | Leaf | 490.0 | 2920.0 | -0.3774409202601403 | -- |
| 0 | PIPEROCROMANOIC-ACID | Leaf | | | | Tramil |
| 0 | PIPEROCROMENOIC-ACID | Leaf | | | | Tramil |
| 0 | PIPEROIC-ACID | Leaf | | | | Tramil |
| 0 | PROTEIN | Leaf | 39000.0 | 219000.0 | 0.0713775457043346 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 15 | RIBOFLAVIN | Leaf | 2.4 | 13.5 | -0.1145804673938679 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 5 | SABINENE | Leaf | | | | Tramil |
| 29 | SAFROLE | Leaf | 3290.0 | 4930.0 | 1.414211375957136 | -- |
| 0 | SPATHULENOL | Leaf | | | | Tramil |
| 9 | TERPINOLENE | Leaf | | | | Tramil |
| 31 | THIAMIN | Leaf | 1.2 | 6.7 | -0.33441696387099973 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | WATER | Leaf | 804000.0 | 822000.0 | 0.07165335512761904 | -- |