

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Barosma betulina*

| Activities Count | Chemical                       | Plant Part    | Low PPM | High PPM | StdDev               | Refernce Citation |
|------------------|--------------------------------|---------------|---------|----------|----------------------|-------------------|
| 0                | (+)-LIMONENE                   | Leaf          | 1500.0  | 2500.0   | 0.707106781186547    | --                |
| 0                | (+)-MENTHONE                   | Leaf          | 1350.0  | 2250.0   |                      | --                |
| 4                | (+)-PULEGONE                   | Leaf          | 1500.0  | 3000.0   | -0.15169172521226934 | --                |
| 0                | (-)-ISOMENTHONE                | Leaf          | 5250.0  | 8750.0   |                      | --                |
| 0                | (-)-ISOPULEGONE                | Leaf          | 450.0   | 900.0    |                      | --                |
| 0                | (-)-PULEGONE                   | Leaf          | 1650.0  | 2750.0   | -0.7071067811865475  | --                |
| 0                | 2-EPI-P-MENTHANE-8-THIOL-1-ONE | Plant         |         |          |                      | --                |
| 8                | 4-TERPINEOL                    | Leaf          |         |          |                      | --                |
| 0                | 8-ACETYLTIO-P-MENTHAN-3-ONE    | Essential Oil |         |          |                      | --                |
| 0                | 8-MERCAPTO-P-MENTHA-3-ONE      | Leaf          |         |          |                      | --                |
| 28               | ALPHA-PINENE                   | Leaf          |         |          |                      | --                |
| 13               | ALPHA-TERPINENE                | Leaf          |         |          |                      | --                |
| 5                | ALUMINUM                       | Leaf          |         | 1360.0   | 0.6789856525717123   | --                |
| 112              | ASCORBIC-ACID                  | Leaf          |         | 4900.0   | 0.010737464231764774 | --                |
| 0                | ASH                            | Leaf          |         | 81000.0  | -0.666900349430093   | --                |
| 0                | BAROSMA-CAMPHOR                | Leaf          | 1800.0  | 3000.0   |                      | --                |
| 28               | CALCIUM                        | Leaf          |         | 38800.0  | 1.391343499963003    | --                |
| 9                | CAMPHENE                       | Leaf          |         |          |                      | --                |
| 24               | CHROMIUM                       | Leaf          |         | 29.0     | 1.832564064465539    | --                |
| 2                | COBALT                         | Leaf          |         | 87.0     | 0.21821961505531773  | --                |
| 34               | DIOSMIN                        | Leaf          | 200.0   | 500.0    |                      | --                |
| 4                | DIOSPHENOL                     | Leaf          | 1800.0  | 3600.0   | 0.7071067811865478   | --                |
| 7                | DIPENTENE                      | Essential Oil |         |          |                      | --                |
| 0                | DL-PIPERITONEPOXIDE            | Leaf          | 1425.0  | 2375.0   |                      | --                |
| 0                | EO                             | Leaf          | 15000.0 | 35000.0  | 2.0639741997608496   | --                |
| 11               | GAMMA-TERPINENE                | Leaf          |         |          |                      | --                |

| Activities Count | Chemical                 | Plant Part    | Low PPM | High PPM | StdDev               | Refernce Citation |
|------------------|--------------------------|---------------|---------|----------|----------------------|-------------------|
| 31               | HESPERIDIN               | Leaf          | 10000.0 | 34000.0  | 0.7071067811865476   | --                |
| 6                | IRON                     | Leaf          |         | 867.0    | 1.2770392926238854   | --                |
| 3                | ISOMENTHONE              | Leaf          | 5250.0  | 8750.0   | 2.193021261596281    | --                |
| 4                | ISOPULEGONE              | Leaf          | 450.0   | 900.0    | 0.7071067811865482   | --                |
| 0                | L-MENTHONE               | Essential Oil |         |          |                      | --                |
| 65               | MAGNESIUM                | Leaf          |         | 2210.0   | -0.7397339063106452  | --                |
| 14               | MANGANESE                | Leaf          |         | 675.0    | 0.6622735776500002   | --                |
| 3                | MUCILAGE                 | Leaf          |         |          |                      | --                |
| 22               | MYRCENE                  | Leaf          |         |          |                      | --                |
| 39               | NIACIN                   | Leaf          |         |          |                      | --                |
| 0                | P-CYMOL                  | Essential Oil |         |          |                      | --                |
| 0                | P-MENTHANE-8-THIOL-1-ONE | Plant         |         |          |                      | --                |
| 4                | PHOSPHORUS               | Leaf          |         | 6780.0   | 0.33274881093925496  | --                |
| 14               | POTASSIUM                | Leaf          |         | 11700.0  | -0.8232807551707827  | --                |
| 0                | PROTEIN                  | Leaf          |         | 92000.0  | -1.1955701649552826  | --                |
| 28               | PULEGONE                 | Leaf          | 1650.0  | 2750.0   | -0.32792065886702804 | --                |
| 176              | QUERCETIN                | Plant         |         |          |                      | --                |
| 0                | QUERCETRIN-3,7-GLUCOSIDE | Essential Oil |         |          |                      | --                |
| 0                | RESIN                    | Leaf          |         | 50000.0  | -0.27511406022450346 | --                |
| 15               | RIBOFLAVIN               | Leaf          |         | 1.1      | -0.172705289047245   | --                |
| 87               | RUTIN                    | Essential Oil |         |          |                      | --                |
| 60               | SELENIUM                 | Leaf          |         |          |                      | --                |
| 4                | SILICON                  | Leaf          |         | 43.0     | -0.28529562369022266 | --                |
| 1                | SODIUM                   | Leaf          |         | 2760.0   | -0.15708991303999795 | --                |
| 31               | THIAMIN                  | Leaf          | 7.0     | 19.0     | 2.2289490986880964   | --                |
| 4                | TIN                      | Leaf          |         | 11.0     | -0.5530067419183887  | --                |
| 77               | ZINC                     | Leaf          |         | 84.0     | -0.01125863721237699 | --                |