

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Eucalyptus paniculata*

| Activities Count | Chemical                 | Plant Part | Low PPM | High PPM | StdDev               | Reference Citation   |
|------------------|--------------------------|------------|---------|----------|----------------------|--|
| 67               | 1,8-CINEOLE              | Shoot      |         | 330.0    | -0.13086570367182174 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 0                | ALLO-AROMADENDRENE       | Shoot      |         | 2.0      | -0.18449899191288488 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 0                | ALPHA-FENCHYL-ALCOHOL    | Shoot      |         | 5.0      | -0.3538008020455014  | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 0                | ALPHA-P-DIMETHYL-STYRENE | Shoot      |         | 2.0      | -0.987107294623222   | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 28               | ALPHA-PINENE             | Shoot      |         | 355.0    | -0.11204366704360026 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 23               | ALPHA-TERPINEOL          | Shoot      |         | 35.0     | -0.249750108025635   | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 3                | AROMADENDRENE            | Shoot      |         | 5.0      | -0.17973121892127447 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |

| Activities Count | Chemical             | Plant Part | Low PPM | High PPM | StdDev               | Reference Citation   |
|------------------|----------------------|------------|---------|----------|----------------------|--|
| 5                | BETA-ELEMENE         | Shoot      |         | 6.0      | -0.31966190606918315 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 13               | BETA-PINENE          | Shoot      |         | 60.0     | -0.1168975054023529  | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 35               | BORNEOL              | Shoot      |         | 7.0      | -0.39202278616672964 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 9                | CAMPHENE             | Shoot      |         | 10.0     | -0.13335368756185328 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 0                | CAMPHOLENIC-ALDEHYDE | Shoot      |         | 1.0      | -0.28592209033353205 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 15               | CITRONELLOL          | Shoot      |         | 9.0      | -0.1766459127354333  | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 0                | EO                   | Shoot      |         | 1000.0   | -0.8604763708555533  | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |

| Activities Count | Chemical      | Plant Part | Low PPM | High PPM | StdDev               | Reference Citation   |
|------------------|---------------|------------|---------|----------|----------------------|--|
| 0                | GLOBULOL      | Shoot      |         | 18.0     | -0.21591013934552564 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 0                | LEDOL         | Shoot      |         | 3.0      | -0.21094013783414664 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 53               | LINALOOL      | Shoot      |         | 2.0      | -0.22072398588663095 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 2                | MYRTENOL      | Shoot      |         | 17.0     | -0.22319091668501045 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 0                | P-CYMEN-8-OL  | Shoot      |         | 3.0      | -0.16568525153057834 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 0                | SPATHULENOL   | Shoot      |         | 19.0     | -0.3345880767502012  | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 23               | TERPINEN-4-OL | Shoot      |         | 5.0      | -0.16510784304571097 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |

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|------------------|-------------------|------------|---------|----------|----------------------|---|
| 2                | TRANS-PINOCARVEOL | Shoot      |         | 40.0     | -0.19425486566146222 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| 5                | VERBENONE         | Shoot      |         | 14.0     | -0.2371472075924447  | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |