

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Alpinia officinarum*

| Activity Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|----------------|--------------------|------------|---------|----------|---------------------|--|
| 67 | 1,8-CINEOLE | Rhizome | -- | -- | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 5 | BETA-ELEMENE | Rhizome | -- | -- | | Wealth of India. |
| 13 | BETA-PINENE | Rhizome | -- | -- | | Wealth of India. |
| 9 | CAMPHENE | Rhizome | -- | -- | | Wealth of India. |
| 41 | CAMPHOR | Rhizome | -- | -- | | Wealth of India. |
| 9 | DELTA-CADINENE | Rhizome | -- | -- | | Wealth of India. |
| 76 | EUGENOL | Rhizome | 90 | 400 | -0.6979831170877149 | |
| 3 | FLUORIDE | Rhizome | -- | 5.4 | -1 | |
| 13 | GALANGIN | Rhizome | 1000 | 1000 | | |
| 11 | ISORHAMNETIN | Rhizome | -- | -- | | Wealth of India. |
| 5 | KAEMPFERIDE | Rhizome | 600 | 800 | | |
| 75 | KAEMPFEROL | Rhizome | -- | -- | | |
| 60 | LIMONENE | Rhizome | -- | -- | | Wealth of India. |
| 53 | LINALOOL | Rhizome | -- | -- | | Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989. |
| 14 | MANGANESE | Plant | -- | -- | | |
| 5 | METHYL-CINNAMATE | Plant | -- | -- | | |
| 2 | METHYL-ISOVALERATE | Rhizome | -- | -- | | Wealth of India. |

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|----------------|---------------------------|------------|---------|----------|---------------------|--|
| 16 | P-CYMENE | Rhizome | -- | -- | | Wealth of India. |
| 1 | PHENYL-ALKYL-KETONES | Rhizome | -- | -- | | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. |
| 176 | QUERCETIN | Rhizome | -- | -- | | |
| 2 | QUERCETIN-3'-METHYLEETHER | Rhizome | -- | -- | | Wealth of India. |
| 7 | RHAMNOCITRIN | Rhizome | -- | -- | | Wealth of India. |
| 5 | STARCH | Rhizome | 200000 | 250000 | -1.1706719629335678 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 35 | TANNIN | Rhizome | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 23 | TERPINEN-4-OL | Rhizome | -- | -- | | Wealth of India. |