

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Paeonia lactiflora*

| Activity Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|----------------|-----------------------------------|------------|---------|----------|---------------------|---|
| 3 | 1,2,3,4,6-PENTA-O-GALLOYL-GLUCOSE | Root | -- | -- | | Economic & Medicinal Plant Research, 1: 53. |
| 2 | ARSENIC | Root | 0.12 | 0.12 | -0.2023884851751127 | Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272. |
| 7 | ASTRAGALIN | Plant | -- | -- | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 20 | BENZOIC-ACID | Root | 11000 | 11000 | 1.0000000000000002 | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 47 | BETA-SITOSTEROL | Flower | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 28 | CALCIUM | Root | 10300 | 40600 | 3.635691935813249 | |
| 12 | COPPER | Root | 3 | 6 | -0.6332899539444546 | |
| 5 | DAUCOSTEROL | Root | -- | -- | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 62 | GALLIC-ACID | Root | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 7 | GLUCOSE | Root | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 9 | HEDERAGENIN | Root | -- | -- | | Economic & Medicinal Plant Research, 1: 53. |
| 6 | IRON | Root | 40 | 47 | -0.3733720521591977 | |

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|----------------|----------------------|------------|---------|----------|---------------------|--|
| 75 | KAEMPFEROL | Leaf | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 27 | LINOLEIC-ACID | Root | -- | -- | | Economic & Medicinal Plant Research, 1: 53. |
| 65 | MAGNESIUM | Root | 580 | 990 | -0.836226916584038 | |
| 14 | MANGANESE | Root | 14 | 20 | -0.3070547518662765 | |
| 16 | METHYL-GALLATE | Root | -- | -- | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 1 | PAEONIFLORIGENONE | Root | 400 | 400 | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 20 | PAEONIFLORIN | Root | 1900 | 5000 | | |
| 20 | PAEONOL | Root | -- | -- | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 1 | PAEONOLIDE | Root | -- | -- | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 1 | PAEONOSIDE | Root | -- | -- | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 13 | PALMITIC-ACID | Root | -- | -- | | Economic & Medicinal Plant Research, 1: 53. |
| 8 | PENTAGALLOYL-GLUCOSE | Root | -- | -- | | 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 | POTASSIUM | Root | 5000 | 7860 | -0.5798404681373998 | |

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|----------------|----------------|------------|---------|----------|-----------------------|--|
| 176 | QUERCETIN | Leaf | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 6 | QUERCIMERITRIN | Leaf | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 1 | SODIUM | Root | 196 | 286 | -0.3796065969858577 | |
| 14 | SUCROSE | Bud | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 35 | TANNIN | Root | -- | -- | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 77 | ZINC | Root | 15 | 24 | -0.007801464517301675 | |