

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Paeonia suffruticosa*

| Activities Count | Chemical  | Plant Part | Low PPM | High PPM | StdDev               | Reference Citation   |
|------------------|---|------------|---------|----------|----------------------|--|
| 77               | ZINC  | Root Bark  | 10.0    | 15.0     | -0.8207826816681236  | --   |
| 35               | TANNIN  | Root Bark  |         |          |                      | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.   |
| 5                | STARCH  | Root Bark  |         |          |                      | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.   |
| 1                | SODIUM  | Root Bark  | 178.0   | 180.0    | -1.071911542370762   | --   |
| 176              | QUERCETIN   | Leaf       |         |          |                      | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.   |
| 14               | POTASSIUM   | Root Bark  | 4580.0  | 6700.0   | -0.44986187824100266 | --   |
| 2                | PHYTOSTEROLS  | Root Bark  |         |          |                      | --   |
| 1                | PAEONOSIDE  | Root Bark  |         |          |                      | --   |
| 1                | PAEONOLIDE  | Root Bark  |         |          |                      | --   |
| 0                | PAEONOL-D-APIO-BETA-D-FURANOSYL-(1->6)-BETA-D-GLUCOPYRANOSIDE | Root Bark  |         |          |                      | Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin. |
| 0                | PAEONOL-BETA-GLUCOSIDE  | Root Bark  |         |          |                      | Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin. |
| 20               | PAEONIFLORIN  | Root Bark  | 6000.0  | 50000.0  |                      | --   |
| 0                | PAENOL  | Root Bark  | 1900.0  | 35000.0  |                      | --   |
| 0                | OXYPAEONIFLORIN   | Root Bark  |         |          |                      | --   |
| 14               | MANGANESE   | Root Bark  | 10.0    | 34.0     | -0.7266095069614309  | --   |

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|------------------|-----------------------------|------------|---------|----------|---------------------|--|
| 65               | MAGNESIUM                   | Root Bark  | 930.0   | 1180.0   | -1.2065855919594075 | --   |
| 0                | L-ARABINOSE                 | Root Bark  |         |          |                     | Chemical Constituents of Oriental Herbs (3 diff. books)  |
| 0                | KAEMPFEROL-3-BETA-GLUCOSIDE | Flower     |         |          |                     | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0                | KAEMPFEROL-3,7-DIGLUCOSIDE  | Flower     |         |          |                     | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 75               | KAEMPFEROL                  | Leaf       |         |          |                     | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 6                | IRON                        | Root Bark  | 95.0    | 120.0    | -0.8274270230713207 | --   |
| 0                | GLUCOPAENOL                 | Root Bark  |         |          |                     | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0                | EO                          | Root Bark  | 1500.0  | 4000.0   |                     | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.  |
| 1                | D-GLUCOSE                   | Root Bark  |         |          |                     | Chemical Constituents of Oriental Herbs (3 diff. books)  |
| 12               | COPPER                      | Root Bark  | 5.0     | 6.0      | -0.8436614877321073 | --   |
| 2                | CAMPESTEROL                 | Root Bark  |         |          |                     | Chemical Constituents of Oriental Herbs (3 diff. books)  |
| 28               | CALCIUM                     | Root Bark  | 5150.0  | 16700.0  | -0.2795716516165602 | --   |
| 47               | BETA-SITOSTEROL             | Root Bark  |         |          |                     | Chemical Constituents of Oriental Herbs (3 diff. books)  |
| 0                | BENZOYLPAEONIFLORIN         | Root Bark  |         |          |                     | Chemical Constituents of Oriental Herbs (3 diff. books)  |
| 0                | BENZOYLOXYPAEONIFLORIN      | Root Bark  |         |          |                     | --   |
| 20               | BENZOIC-ACID                | Root Bark  |         |          |                     | Chemical Constituents of Oriental Herbs (3 diff. books)  |

| Activities Count | Chemical                            | Plant Part | Low PPM | High PPM | StdDev              | Reference Citation   |
|------------------|-------------------------------------|------------|---------|----------|---------------------|--|
| 2                | ARSENIC                             | Root Bark  |         | 0.09     | -0.6402693370466567 | 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.  |
| 0                | APIGENIN-7-RHAMNOGLUCOSIDE          | Flower     |         |          |                     | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.   |
| 0                | APIGENIN-7-GLUCOSIDE                | Flower     |         |          |                     | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.   |
| 0                | 3-HYDROXY-4-ACETOPHENONE            | Root Bark  |         |          |                     | Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin. |
| 0                | 2,3-DIHYDROXY-4-METHOXYACETOPHENONE | Root Bark  |         |          |                     | Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin. |
| 0                | 1,2,3,4,6-PENTAGALLOYLGLUCOSE       | Root Bark  |         |          |                     | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.  |