

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Agrimonia eupatoria

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---|---------------|---------|----------|----------------------|--|
| 0 | VIT-K | Plant | | | | Wealth of India. |
| 24 | VANILLIC-ACID | Plant | | | | -- |
| 89 | URSOLIC-ACID | Plant | | 6000.0 | -0.5090810752075852 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | TRITERPENES | Plant | | 15000.0 | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | TORMENTIC-ACID-28-BETA-D-GLUCOPYRANOSYL-ESTER | Shoot | | 19.0 | | -- |
| 31 | THIAMIN | Leaf | | 2.4 | -1.2305530670420655 | Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp. |
| 35 | TANNIN | Shoot | 30000.0 | 210000.0 | 1.6607008042164362 | -- |
| 35 | TANNIN | Leaf | 50000.0 | 80000.0 | -0.37271411437234203 | -- |
| 35 | TANNIN | Bark | | 52800.0 | -0.7722965656367389 | Wealth of India. |
| 8 | STEARIC-ACID | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 1 | SILICIC-ACID | Exocarp | | 120000.0 | | -- |
| 34 | SALICYLIC-ACID | Plant | | | | -- |
| 87 | RUTIN | Inflorescence | | 1700.0 | | -- |
| 87 | RUTIN | Leaf | | | | Wealth of India. |
| 0 | ROSAMULTIN | Root | | 250.0 | | -- |
| 44 | QUERCITRIN | Leaf | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 44 | QUERCITRIN | Flower | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---|------------------|----------|----------|--------|--|
| 0 | QUERCETIN-GLUCOSIDE | Plant | | | | 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. |
| 0 | QUERCETIN-3-RHAMNOSIDE | Plant | | | | Wealth of India. |
| 0 | QUERCETIN-3-O-GALACTOSIDE | Plant | | | | Wealth of India. |
| 176 | QUERCETIN | Shoot | | | | -- |
| 176 | QUERCETIN | Plant | | | | Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp. |
| 43 | PROTOCATECHUIC-ACID | Plant | | | | -- |
| 0 | POLYSACCHARIDES | Shoot | 195000.0 | 200000.0 | | -- |
| 13 | PALMITIC-ACID | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 13 | P-HYDROXY-BENZOIC-ACID | Plant | | | | -- |
| 25 | P-COUMARIC-ACID | Plant | | | | -- |
| 2 | NICOTINAMIDE | Leaf | 100.0 | 300.0 | | Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp. |
| 0 | NEOISOPULEGOLE | Leaf Essent. Oil | | | | Jim Duke's personal files. |
| 0 | N-1-N-5-N-10-TRI-TRANS-4-COUMAROYL-SPERMIDINE | Flower | | | | -- |
| 0 | LUTEOLIN-GLUCOSIDE | Plant | | | | -- |
| 7 | LUTEOLIN-7-GLUCOSIDE | Plant | | | | Wealth of India. |
| 78 | LUTEOLIN | Plant | | | | Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---|------------------|---------|----------|----------------------|--|
| 0 | LEUCOANTHOCYANINS | Plant | | | | Wealth of India. |
| 2 | KAEMPFEROL-3-RHAMNOSIDE | Shoot | | 16.0 | | -- |
| 0 | KAEMPFEROL-3-O-RUTINOSIDE | Shoot | | 25.5 | | -- |
| 0 | KAEMPFEROL-3-O-RUTINOSIDE | Shoot | | 20.0 | | -- |
| 0 | KAEMPFEROL-3-O-GLUCOSIDE | Shoot | | 22.0 | | -- |
| 75 | KAEMPFEROL | Shoot | | 24.0 | -0.33987201397721156 | -- |
| 0 | KAEMPFERIDE-3-O-ALPHA-RHAMNOSIDE | Shoot | | 10.6 | | -- |
| 5 | KAEMPFERIDE | Shoot | | 19.0 | | -- |
| 22 | ISOQUERCITRIN | Inflorescence | | 2100.0 | | -- |
| 0 | ISOPULEGOLE-ACETATE | Leaf Essent. Oil | | | | Jim Duke's personal files. |
| 0 | ISOPULEGOLE | Leaf Essent. Oil | | | | Jim Duke's personal files. |
| 30 | HYPEROSIDE | Flower | | 3700.0 | -0.4084728900337644 | -- |
| 0 | HOMOPROTOCATECHUIC-ACID | Plant | | | | -- |
| 8 | GENTISIC-ACID | Plant | | | | -- |
| 0 | GALLOTANNINS | Shoot | | | | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. |
| 2 | GALLO-TANNIN | Root | | | | -- |
| 61 | FERULIC-ACID | Plant | | | | -- |
| 0 | FAT | Seed | | 350000.0 | 0.44568382272451457 | Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp. |
| 0 | EUSCAPHIC-ACID-28-BETA-D-GLUCOPYRANOSYL-ESTER | Shoot | | 15.0 | | -- |
| 0 | EUSCAPHIC-ACID | Shoot | | 15.0 | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|------------------|------------|---------|----------|---------------------|--|
| 0 | EO | Plant | | 2000.0 | -0.5881321355977028 | Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp. |
| 0 | ELLAGITANNINS | Shoot | | | | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. |
| 0 | ELLAGIN-TANNIN | Leaf | | | | -- |
| 51 | ELLAGIC-ACID | Leaf | | | | Wealth of India. |
| 3 | CYNAROSIDE | Shoot | | | | -- |
| 0 | COUMARINS | Plant | | | | 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. |
| 4 | COSMOSIIN | Shoot | | | | -- |
| 77 | CHLOROGENIC-ACID | Leaf | | | | Wealth of India. |
| 0 | CERYL-ALCOHOL | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | CATECHIN-TANNIN | Leaf | | | | Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp. |
| 43 | CATECHIN | Plant | | 26000.0 | | Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp. |
| 102 | CAFFEIC-ACID | Plant | | | | -- |
| 47 | BETA-SITOSTEROL | Shoot | | 25.0 | -0.9699561923388506 | -- |
| 7 | ASTRAGALIN | Shoot | 22.5 | 23.6 | | -- |

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|------------------|---|------------|---------|----------|--------|--|
| 0 | APIGENIN-GLUCOSIDE | Plant | | | | -- |
| 0 | APIGENIN-7-O-BETA-D-GLUCOSIDE | Plant | | | | 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. |
| 101 | APIGENIN | Plant | | | | Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp. |
| 1 | AMYRIN | Plant | | | | Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp. |
| 10 | ALPHA-AMYRIN | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 5 | AGRIMOPHOL | Bud | | 7900.0 | | -- |
| 0 | AGRIMONOLIDE | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | AGRIMOL-D | Plant | | | | -- |
| 0 | AGRIMOL-C | Plant | | | | -- |
| 0 | AGRIMOL-B | Plant | | | | -- |
| 0 | AGRIMOL-A | Plant | | | | -- |
| 1 | AFZELIN | Shoot | | 16.2 | -1.0 | -- |
| 0 | 1-BETA-2-BETA-3-BETA-19-ALPHA-TETRAHYDROXY-URS-12-EN-28-OIC-ACID | Root | | 15.0 | | -- |
| 0 | 1-BETA-2-ALPHA-3-BETA-19-ALPHA-TETRAHYDROXY-URS-12-EN-28-OIC-ACID | Root | | 240.0 | | -- |