

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Elytrigia repens*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---------------|---------------------------|----------|----------|----------------------|--|
| 0 | CARBOHYDRATES | Plant | 455000.0 | 797000.0 | 0.8022911592259311 | -- |
| 0 | WATER | Plant | | 789000.0 | 0.07735481906329916 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 15 | FIBER | Plant | 317000.0 | 339000.0 | 0.8590617460550924 | -- |
| 0 | PROTEIN | Seed | 168000.0 | 212000.0 | -0.19388730833174384 | -- |
| 0 | FAT | Seed | 18000.0 | 121000.0 | -0.7605410903903489 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | PROTEIN | Plant | 106000.0 | 112000.0 | -0.5037049042481623 | -- |
| 3 | MUCILAGE | Rhizome | 100000.0 | 110000.0 | | -- |
| 0 | TRITICIN | Rhizome | 30000.0 | 80000.0 | | -- |
| 0 | ASH | Plant | 61000.0 | 78000.0 | -0.7770645403211047 | -- |
| 0 | FAT | Plant | 15000.0 | 38000.0 | -0.20064170761841432 | -- |
| 8 | INOSITOL | Rhizome | 10000.0 | 30000.0 | | -- |
| 0 | FAT | Rhizome | | 15000.0 | -0.6710744696705001 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 18 | MANNITOL | Rhizome | 10000.0 | 15000.0 | | -- |
| 14 | POTASSIUM | Plant | | 9780.0 | -0.8380710802230191 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 4 | PHOSPHORUS | Plant | 2800.0 | 9510.0 | 2.845425049277088 | -- |
| 28 | CALCIUM | Plant | 3000.0 | 9280.0 | -0.46096117776809853 | -- |
| 65 | MAGNESIUM | Plant | | 7570.0 | 1.0876698597605294 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 0 | ERGOTHIONENE | Symbiotic Ergot Sclerotia | | 3600.0 | | Wealth of India. |
| 0 | EO | Rhizome | 100.0 | 520.0 | -0.6715412748798429 | -- |
| 9 | AGROPYRENE | Rhizome | 475.0 | 494.0 | | -- |

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|------------------|----------------|------------|---------|----------|----------------------|---|
| 5 | ALUMINUM | Plant | | 331.0 | -0.09875303108328418 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 6 | IRON | Plant | | 311.0 | -0.37205817446284184 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 4 | SILICON | Plant | | 253.0 | 0.979270486106428 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 14 | MANGANESE | Plant | 43.0 | 188.0 | 0.6525260588281285 | -- |
| 60 | SELENIUM | Plant | | 102.0 | 4.124509294319289 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 4 | TIN | Plant | | 67.0 | 3.1327609377837824 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 37 | CARVACROL | Rhizome | | 55.0 | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 37 | CARVACROL | Plant | | 50.0 | -0.859879105792264 | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 24 | CHROMIUM | Plant | | 37.0 | 2.5858242812916004 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 8 | TRANS-ANETHOLE | Plant | | 35.0 | -0.45536128912003515 | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 8 | TRANS-ANETHOLE | Rhizome | | 34.0 | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 19 | CARVONE | Rhizome | | 27.0 | | -- |
| 19 | CARVONE | Plant | | 25.0 | -0.429623623842795 | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------------|---------------------------|---------|----------|----------------------|---|
| 71 | THYMOL | Rhizome | | 22.0 | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 63 | MENTHOL | Plant | 15.0 | 20.0 | -0.6245205427971803 | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 71 | THYMOL | Plant | | 20.0 | -0.5729487441651974 | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 63 | MENTHOL | Rhizome | | 18.0 | 1.0 | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 2 | COBALT | Plant | | 18.0 | 0.11061168681122152 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 30 | MENTHONE | Plant | 5.0 | 10.0 | -0.5135616442158939 | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 30 | MENTHONE | Rhizome | | 7.0 | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 16 | P-CYMENE | Rhizome | | 7.0 | -0.5144472984555453 | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 16 | P-CYMENE | Plant | | 5.0 | -0.41895350947159815 | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 7 | ERGOTAMINE | Symbiotic Ergot Sclerotia | | | | Wealth of India. |
| 3 | ERGOSINE | Symbiotic Ergot Sclerotia | | | | Wealth of India. |
| 0 | VANILLIN-GLUCOSIDE | Rhizome | | | | -- |

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|------------------|------------------------|---------------------------|---------|----------|--------|--|
| 2 | BETA-ALANINE | Rhizome | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | SAPONIN | Rhizome | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | INFUSION | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 0 | ERGOCRYPTININE | Symbiotic Ergot Sclerotia | | | | Wealth of India. |
| 1 | SILICIC-ACID | Rhizome | | | | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. |
| 3 | ERGOCRYPTINE | Symbiotic Ergot Sclerotia | | | | Wealth of India. |
| 77 | ZINC | Plant | | | | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 0 | PHENOLCARBOXYLIC-ACIDS | Rhizome | | | | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. |
| 0 | ERGOCRISTININE | Symbiotic Ergot Sclerotia | | | | Wealth of India. |
| 0 | ERGOCRISTIN | Symbiotic Ergot Sclerotia | | | | Wealth of India. |
| 0 | VANILLIN-GLYCOSIDE | Rhizome | | | | -- |
| 1 | LYSERGIC-ACID | Symbiotic Ergot Sclerotia | | | | Wealth of India. |
| 0 | ERGOCORNINE | Symbiotic Ergot Sclerotia | | | | Wealth of India. |
| 28 | VANILLIN | Rhizome | | | | -- |
| 0 | LECTIN | Leaf | | | | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. |

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|------------------|------------------------------|---------------------------|---------|----------|--------|--|
| 8 | FRUCTOSE | Rhizome | | | | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. |
| 0 | 1-PHENYLHEXA-2,4-DIYNE-1-ONE | Rhizome | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 1 | SODIUM | Plant | | | | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 0 | ERGOTAMININE | Symbiotic Ergot Sclerotia | | | | Wealth of India. |
| 15 | MALIC-ACID | Rhizome | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | VANILLOSIDE | Rhizome | | | | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. |