

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Trifolium pratense*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|------------------|------------|---------|----------|---------------------|--|
| 176 | QUERCETIN | Flower | | | | -- |
| 112 | ASCORBIC-ACID | Flower | 534.0 | 2966.0 | 0.07833639670796254 | -- |
| 102 | CAFFEIC-ACID | Leaf | | | | -- |
| 102 | CAFFEIC-ACID | Flower | | | | 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. |
| 81 | GENISTEIN | Flower | | 19.0 | | -- |
| 81 | GENISTEIN | Root | | 10.0 | -1.0 | -- |
| 81 | GENISTEIN | Plant | | | | -- |
| 81 | GENISTEIN | Leaf | 22.0 | 23.0 | -0.9500496298711887 | -- |
| 81 | GENISTEIN | Stem | | 62.0 | | -- |
| 81 | GENISTEIN | Shoot | | | | -- |
| 77 | CHLOROGENIC-ACID | Plant | | | | J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991. |
| 77 | ZINC | Flower | | | | -- |
| 76 | EUGENOL | Flower | | | | -- |
| 75 | KAEMPFEROL | Flower | | | | -- |
| 75 | KAEMPFEROL | Leaf | | | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| 65 | MAGNESIUM | Hay | 2400.0 | 8100.0 | 1.0 | -- |
| 65 | MAGNESIUM | Flower | 628.0 | 3490.0 | 0.4898420957878223 | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-----------------|------------|---------|----------|----------------------|--|
| 60 | LIMONENE | Flower | | 27.0 | -0.6377062548200526 | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agrc.Food Chem.44:1827-8 |
| 60 | SELENIUM | Stem | | 0.018 | -0.4284717031857897 | -- |
| 60 | SELENIUM | Leaf | | 0.024 | -0.3807027917986485 | -- |
| 60 | SELENIUM | Flower | 0.1 | 0.8 | -0.7014229662505338 | -- |
| 57 | COUMARIN | Flower | | 22.0 | | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agrc.Food Chem.44:1827-8 |
| 53 | BETA-CAROTENE | Flower | 2.0 | 12.0 | -0.43685333121665465 | -- |
| 53 | LINALOOL | Flower | | 70.0 | -0.5766567688779776 | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agrc.Food Chem.44:1827-8 |
| 47 | BETA-SITOSTEROL | Flower | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 44 | QUERCITRIN | Flower | | | | -- |
| 39 | NIACIN | Flower | 23.0 | 125.0 | 0.30027617080224206 | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|------------------|---------------|---------|----------|----------------------|--|
| 35 | GERANIOL | Flower | | 3.0 | -0.5150688773064958 | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agrc.Food Chem.44:1827-8 |
| 34 | MYRICETIN | Seed | | | | -- |
| 34 | SALICYLIC-ACID | Flower | | | | Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp. |
| 32 | DAIDZEIN | Leaf | | 349.0 | -1.0 | -- |
| 32 | DAIDZEIN | Plant | | | | -- |
| 32 | DAIDZEIN | Flower | | 461.0 | | -- |
| 32 | DAIDZEIN | Shoot | | | | -- |
| 32 | DAIDZEIN | Stem | | 334.0 | -1.0 | -- |
| 32 | ALPHA-TOCOPHEROL | Plant | | | | -- |
| 32 | ALPHA-TOCOPHEROL | Inflorescence | 126.0 | 400.0 | | -- |
| 32 | BIOCHANIN-A | Stem | | 68.0 | | -- |
| 32 | BIOCHANIN-A | Plant | | 8000.0 | | -- |
| 32 | BIOCHANIN-A | Root | | 31.0 | 1.0 | -- |
| 32 | BIOCHANIN-A | Flower | | 338.0 | | -- |
| 32 | BIOCHANIN-A | Leaf | 310.0 | 3250.0 | | -- |
| 32 | BIOCHANIN-A | Shoot | | | | -- |
| 31 | CARYOPHYLLENE | Fruit | | | | -- |
| 31 | THIAMIN | Flower | | 4.2 | -0.32448493232300896 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 31 | CARYOPHYLLENE | Flower | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------|-----------------|---------|----------|--------------------|--|
| 31 | CARYOPHYLLENE | Leaf | | | | -- |
| 30 | HYPEROSIDE | Leaf | | | | -- |
| 30 | HYPEROSIDE | Flower | | | | -- |
| 30 | HYPEROSIDE | Plant | | | | -- |
| 29 | TRYPTOPHAN | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 28 | CALCIUM | Shoot | 4800.0 | 22900.0 | 0.5954625659846638 | -- |
| 28 | CALCIUM | Flower | 2358.0 | 13100.0 | 2.0277064932464137 | -- |
| 27 | LINOLEIC-ACID | Pollen Or Spore | | | | -- |
| 26 | PHENOL | Flower | | 49.0 | | Buchnauer,G.,Jirovetz,L.,Nikif orov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectometry,and Gas Chrom.- Olfactometry.J.Agrc.Food Chem.44:1827-8 |
| 25 | P-COUMARIC-ACID | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 24 | BENZALDEHYDE | Flower | | 12.0 | 1.0000000000000004 | Buchnauer,G.,Jirovetz,L.,Nikif orov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectometry,and Gas Chrom.- Olfactometry.J.Agrc.Food Chem.44:1827-8 |
| 24 | CHROMIUM | Flower | 0.6 | 3.2 | 0.1253191187222141 | -- |
| 22 | ISOQUERCITRIN | Flower | | | | -- |
| 22 | ISOQUERCITRIN | Leaf | | | | -- |
| 21 | METHYL-SALICYLATE | Flower | | | | -- |
| 20 | CHOLINE | Plant | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------|-----------------|---------|----------|----------------------|--|
| 18 | OLEIC-ACID | Pollen Or Spore | | | | -- |
| 16 | FORMONONETIN | Stem | | 280.0 | | -- |
| 16 | ACETIC-ACID | Fruit | | | | -- |
| 16 | FORMONONETIN | Root | | 94.0 | -0.6868766457286021 | -- |
| 16 | FORMONONETIN | Shoot | | | | -- |
| 16 | ACETIC-ACID | Root | | | | -- |
| 16 | FORMONONETIN | Sprout Seedling | | | | -- |
| 16 | FORMONONETIN | Plant | 800.0 | 7000.0 | | -- |
| 16 | FORMONONETIN | Flower | | 391.0 | | -- |
| 16 | FORMONONETIN | Leaf | 270.0 | 2470.0 | | -- |
| 15 | FIBER | Flower | | 99000.0 | -0.39855791142456015 | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| 15 | RIBOFLAVIN | Flower | 0.6 | 3.3 | -0.6828377956128976 | -- |
| 15 | METHIONINE | Plant | | | | -- |
| 15 | FIBER | Shoot | 77000.0 | 301000.0 | 1.3664226044856718 | -- |
| 14 | POTASSIUM | Shoot | 5400.0 | 26700.0 | 0.19972594147646744 | -- |
| 14 | POTASSIUM | Flower | 3600.0 | 20000.0 | 0.07485647549902923 | -- |
| 14 | ARGININE | Plant | | | | -- |
| 14 | MANGANESE | Hay | 25.0 | 464.0 | 1.0000000000000002 | -- |
| 14 | MANGANESE | Flower | 1.0 | 5.9 | -0.37185317533053636 | -- |
| 13 | MEDICARPIN | Leaf Diffusate | 10.0 | 45.0 | | -- |
| 13 | COUMESTROL | Shoot | | | | -- |
| 13 | MEDICARPIN | Plant | | | | -- |
| 13 | COUMESTROL | Flower | | | | 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. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|------------------|-----------------|---------|----------|--------|--|
| 13 | COUMESTROL | Leaf | | | | -- |
| 13 | PALMITIC-ACID | Pollen Or Spore | | | | -- |
| 13 | MEDICARPIN | Root | | | | -- |
| 12 | ARACHIDONIC-ACID | Pollen Or Spore | | | | -- |
| 12 | ESTRAGOLE | Root | | | | -- |
| 12 | ALLANTOIN | Sprout Seedling | | | | -- |
| 12 | COPPER | Hay | 7.0 | 18.0 | | -- |
| 11 | MALTOL | Flower | | 140.0 | | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agrc.Food Chem.44:1827-8 |
| 11 | ISORHAMNETIN | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 11 | ISORHAMNETIN | Flower | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 10 | DAIDZIN | Leaf | | | | -- |
| 10 | DAIDZIN | Flower | | | | -- |
| 9 | BENZYL-ALCOHOL | Root | | | | -- |
| 9 | OXALIC-ACID | Plant | | | | -- |
| 9 | BENZYL-ALCOHOL | Plant | | | | -- |
| 9 | DELPHINIDIN | Plant | | | | -- |
| 9 | BENZYL-ACETATE | Plant | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-----------------|-----------------|---------|----------|---------------------|---|
| 9 | BENZYL-ACETATE | Flower | | 22.0 | -1.1788033227009656 | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agric.Food Chem.44:1827-8 |
| 9 | BENZYL-ALCOHOL | Flower | | 15.0 | -0.7590932524068246 | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agric.Food Chem.44:1827-8 |
| 8 | GLUTAMIC-ACID | Plant | | | | -- |
| 8 | STEARIC-ACID | Pollen Or Spore | | | | -- |
| 8 | TYROSINE | Plant | | | | -- |
| 7 | LINALYL-ACETATE | Flower | | 14.0 | -0.52919258398599 | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agric.Food Chem.44:1827-8 |
| 7 | GLUCOSE | 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. |
| 7 | HISTIDINE | Plant | | | | -- |
| 7 | CYANIDIN | Plant | | | | -- |
| 7 | LAURIC-ACID | Pollen Or Spore | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---------------------------|-----------------|---------|----------|--------------------|---|
| 7 | PHENYLALANINE | Plant | | | | -- |
| 6 | MALVIDIN | Flower | | | | -- |
| 6 | IRON | Flower | | | | -- |
| 6 | 6-ALPHA-HYDROXYMEDICARPIN | Leaf Diffusate | | 75.0 | | -- |
| 6 | MYRISTIC-ACID | Pollen Or Spore | | | | -- |
| 6 | 6-ALPHA-HYDROXYMEDICARPIN | Leaf | | | | -- |
| 6 | ACETOPHENONE | Fruit | | | | -- |
| 6 | 6-ALPHA-HYDROXYMEDICARPIN | Plant | | | | -- |
| 6 | IRON | Shoot | 10.0 | 1850.0 | 1.8092404799960726 | Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705. |
| 6 | ACETOPHENONE | Flower | | 41.0 | | -- |
| 5 | METHYL-CINNAMATE | Flower | | 15.0 | 1.0000000000000002 | Buchnauer, G., Jirovetz, L., Nikiforov, A. 1996. Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection, Gas Chromatography-Mass Spectrometry, and Gas Chrom.-Olfactometry. J. Agrc. Food Chem. 44:1827-8 |
| 5 | EUGENOL-METHYL-ETHER | Root | | | | -- |
| 5 | PISATIN | Leaf | | | | -- |
| 5 | ALUMINUM | Flower | 25.0 | 137.0 | 0.6800025424215751 | -- |
| 5 | CITRULLINE | Shoot | | | | -- |
| 5 | PINITOL | Shoot | | | | -- |
| 4 | IRILONE | Root | | | | -- |
| 4 | TIN | Flower | 5.0 | 25.0 | 1.4368424162141988 | -- |
| 4 | THREONINE | Plant | | | | -- |
| 4 | DAIDZEN | Plant | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------|-----------------|---------|----------|---------------------|--|
| 4 | 3-METHYLQUERCETIN | Flower | | | | -- |
| 4 | SILICON | Flower | 0.2 | 1.2 | -0.6385118061807831 | -- |
| 4 | LYSINE | Plant | | | | -- |
| 4 | GLUCURONIC-ACID | 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. |
| 4 | BORON | Stem | | 16.0 | -1.0978789041988413 | -- |
| 4 | PHOSPHORUS | Shoot | 900.0 | 4500.0 | 0.5039172570812402 | -- |
| 4 | BORON | Leaf | | 23.0 | -1.0421614129310122 | -- |
| 4 | SLAFRAMINE | Flower | | | | Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705. |
| 4 | PHOSPHORUS | Flower | 580.0 | 3220.0 | -0.2058307284109949 | -- |
| 4 | IRILONE | Leaf | | | | -- |
| 4 | IRILONE | Flower | | | | -- |
| 3 | GENISTIN | Leaf | | | | -- |
| 3 | PSEUDOBAPTIGENIN | Plant | | | | -- |
| 3 | PSEUDOBAPTIGENIN | Root | | | | -- |
| 3 | GENISTIN | Root | | | | -- |
| 3 | MEDICAGOL | Sprout Seedling | | | | -- |
| 3 | PSEUDOBAPTIGENIN | Leaf | | | | -- |
| 3 | GENISTIN | Flower | | | | -- |
| 3 | HEXANOL | Flower | | 27.0 | 0.9999999999999998 | Buchnauer, G., Jirovetz, L., Nikiforov, A. 1996. Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection, Gas Chromatography-Mass Spectrometry, and Gas Chromatography-Olfactometry. J. Agr. Food Chem. 44:1827-8 |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------------------|----------------|---------|----------|--------|---|
| 3 | XYLOSE | 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. |
| 3 | CINNAMIC-ALCOHOL | Flower | | 22.0 | | Buchnauer, G., Jirovetz, L., Nikiforov, A. 1996. Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection, Gas Chromatography-Mass Spectrometry, and Gas Chrom.-Olfactometry. J. Agrc. Food Chem. 44:1827-8 |
| 3 | VALINE | Plant | | | | -- |
| 3 | MEDICAGOL | Flower | | | | 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. |
| 3 | PSEUDOBAPTIGENIN | Flower | | | | -- |
| 3 | ISOLEUCINE | Plant | | | | -- |
| 3 | IROLONE | Plant | | | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| 2 | TRIFOLIRHIZIN | Flower | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 2 | TRANS-BETA-FARNESENE | Fruit | | | | -- |
| 2 | 6-ALPHA-HYDROXYMAACKIAIN | Leaf Diffusate | | 46.0 | | -- |
| 2 | MALTOSE | Leaf | | | | -- |
| 2 | ONONIN | Plant | | | | -- |
| 2 | CAMPESTEROL | Plant | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---------------------|----------------|---------|----------|---------------------|---|
| 2 | HOMOISATIN | Plant | | | | -- |
| 2 | (E)-2-HEXENAL | Flower | | 20.0 | 1.0 | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agric.Food Chem.44:1827-8 |
| 2 | MAACKIAIN | Leaf Diffusate | 8.0 | 42.0 | | -- |
| 2 | 4-METHOXYMEDICARPIN | Root | | | | -- |
| 2 | PRUNETIN | Leaf | | | | -- |
| 2 | MAACKIAIN | Plant | | | | -- |
| 2 | MAACKIAIN | Root | | | | -- |
| 2 | PRUNETIN | Flower | | | | -- |
| 2 | MOLYBDENUM | Stem | 0.12 | 0.15 | -0.7462339475150717 | -- |
| 2 | TRIFOLIRHIZIN | Root | | | | -- |
| 2 | PIPECOLIC-ACID | Plant | | | | -- |
| 2 | ONONIN | Leaf | | | | -- |
| 2 | LEUCINE | Plant | | | | -- |
| 2 | ETHYL-CINNAMATE | Flower | | 25.0 | -1.0 | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agric.Food Chem.44:1827-8 |
| 2 | TRIFOLIN | Leaf | | | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---------------------------|-----------------|---------|----------|----------------------|--|
| 2 | TRANS-BETA-FARNESENE | Leaf | | | | -- |
| 2 | COBALT | Flower | 0.3 | 1.8 | -0.45121303121454254 | -- |
| 2 | PECTOLINARIGENIN | Flower | | | | -- |
| 2 | ONONIN | Stem | | 31.0 | | -- |
| 2 | PECTOLINARIN | Flower | | | | 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. |
| 2 | 6-ALPHA-HYDROXYMAACKIAIN | Plant | | | | -- |
| 2 | OCIMENE | Flower | | 12.0 | | Buchnauer,G.,Jirovetz,L.,Nikiforov,A.1996.Comparative Investigation of Essential Clover Flower Oils from Austria Using Gas Chromatography-Flame Ionization Detection,Gas Chromatography-Mass Spectrometry,and Gas Chrom.-Olfactometry.J.Agrc.Food Chem.44:1827-8 |
| 2 | ONONIN | Flower | | | | -- |
| 2 | ONONIN | Root | | 49.0 | -0.7559178162475134 | -- |
| 1 | MYRISTIC-ACID-ETHYL-ESTER | Root | | | | -- |
| 1 | MYRISTOLEIC-ACID | Pollen Or Spore | | | | -- |
| 1 | BEHENIC-ACID | Pollen Or Spore | | | | -- |
| 1 | HOMOSERINE | Plant | | | | -- |
| 1 | MELILOTIC-ACID | Plant | | 7060.0 | | -- |
| 1 | PRATENSEIN | Flower | | | | -- |
| 1 | SODIUM | Flower | 29.0 | 160.0 | -0.5257596176552087 | -- |
| 1 | LAURIC-ACID-ETHYL-ESTER | Root | | | | -- |
| 1 | SERINE | Plant | | | | -- |
| 1 | CAPROIC-ACID | Root | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Refernce Citation |
|------------------|-----------------------------|-----------------|---------|----------|--------|-------------------|
| 1 | PRATENSEIN | Leaf | 13.0 | 153.0 | | -- |
| 1 | DECYL-ACETATE | Fruit | | | | -- |
| 1 | PENTADECANOIC-ACID | Pollen Or Spore | | | | -- |
| 1 | (-)-MAACKIAIN-3-O-GLUCOSIDE | Root | | | | -- |