

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Salvia sclarea*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|------------------------|------------|---------|----------|----------------------|--|
| 0 | EO | Plant | 400.0 | 5000.0 | -0.36013745523464397 | -- |
| 53 | CITRAL | Plant | 75.0 | 920.0 | -0.6684179675532087 | Flavour and Fragrance Journal, 6: 154. |
| 35 | GERANIOL | Plant | 22.0 | 735.0 | -0.3233579457789868 | Flavour and Fragrance Journal, 6: 154. |
| 5 | GERANYL-ACETATE | Plant | 20.0 | 1150.0 | 0.8183134296998488 | Flavour and Fragrance Journal, 6: 154. |
| 0 | LINALOL | Plant | 7.0 | 930.0 | -0.22196813466982201 | Flavour and Fragrance Journal, 6: 153. |
| 5 | NERYL-ACETATE | Plant | 6.0 | 144.0 | -0.34809159519951677 | Flavour and Fragrance Journal, 6: 154. |
| 10 | NEROL | Plant | 6.0 | 280.0 | -0.2613461703399936 | Flavour and Fragrance Journal, 6: 154. |
| 0 | TRANS-BETA-OCIMENE | Plant | 4.4 | 42.0 | 1.0 | Flavour and Fragrance Journal, 6: 154. |
| 2 | GERMACRENE-D | Plant | 3.0 | 312.0 | -0.1586261106208064 | Flavour and Fragrance Journal, 6: 154. |
| 0 | CIS-BETA-OCIMENE | Plant | 2.4 | 24.0 | 1.0 | Flavour and Fragrance Journal, 6: 154. |
| 22 | MYRCENE | Plant | 1.0 | 42.0 | -0.4299591021419887 | Flavour and Fragrance Journal, 6: 154. |
| 0 | BETA-CARYOPHYLLENE | Plant | 1.0 | 30.0 | -0.7887095500599811 | Flavour and Fragrance Journal, 6: 153. |
| 9 | TERPINOLENE | Plant | 1.0 | 12.0 | -0.632005963895284 | Flavour and Fragrance Journal, 6: 154. |
| 11 | GAMMA-TERPINENE | Plant | 1.0 | 21.0 | -0.5254205342752221 | Flavour and Fragrance Journal, 6: 154. |
| 16 | P-CYMENE | Plant | 1.0 | 27.0 | -0.413226629726817 | Flavour and Fragrance Journal, 6: 154. |
| 23 | TERPINEN-4-OL | Plant | 1.0 | 6.0 | -0.27887446536093696 | Flavour and Fragrance Journal, 6: 154. |
| 7 | LINALYL-ACETATE | Plant | 1.0 | 3750.0 | 1.2252438325280266 | -- |
| 0 | ALPHA-TERPINYL-ACETATE | Plant | 1.0 | 155.0 | -0.2093634965349002 | Flavour and Fragrance Journal, 6: 154. |
| 23 | ALPHA-TERPINEOL | Plant | 1.0 | 155.0 | -0.36049099439408827 | Flavour and Fragrance Journal, 6: 154. |
| 13 | GERANIAL | Plant | 0.8 | 580.0 | -0.4657495420554852 | Flavour and Fragrance Journal, 6: 154. |
| 60 | LIMONENE | Plant | 0.4 | 12.0 | -0.47842885281373365 | Flavour and Fragrance Journal, 6: 154. |
| 4 | NERAL | Plant | 0.4 | 340.0 | -0.4529210059550321 | Flavour and Fragrance Journal, 6: 154. |
| 28 | ALPHA-PINENE | Plant | 0.0 | 3.0 | -0.47935237569528083 | Flavour and Fragrance Journal, 6: 154. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|------------------------------------|------------|---------|----------|----------------------|---|
| 0 | PROPIONIC-ACID-ESTER | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | CIS-LINALOL-OXIDE | Plant | | | | Flavour and Fragrance Journal, 6: 153. |
| 0 | N-NONANOL | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 2 | BETA-MYRCENE | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 67 | 1,8-CINEOLE | Plant | | | | Rizk, A.F.M., The Phytochemistry of the Flora of Qatar. Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986. |
| 4 | PELLANDRENE | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 0 | BETA-GURJUENE | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 0 | (2S,5E)-EPOXYCARYOPHYLL-5-EN-12-AL | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | TRANS-ALLO-OCIMENE | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 13 | PALMITIC-ACID | Seed | | 22419.0 | -0.23702433619164334 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | CIS-ALLO-OCIMENE | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------------------------|------------|---------|----------|----------------------|--|
| 2 | MANOOL | 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 | (2R,5E)-EPOXYCARYOPHYLL-5-ENE | Plant | | | | J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991. |
| 0 | CIS-3-HEXEN-1-OL | Plant | | | | -- |
| 0 | LINOLENIC-ACID | Seed | | 161100.0 | 2.2325446403885323 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 24 | BENZALDEHYDE | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 0 | (2R,5E)-EPOXYCARYOPHYLL-5-EN-12-AL | Plant | | | | J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991. |
| 0 | FURFUROL | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 18 | OLEIC-ACID | Seed | | 69006.0 | -0.41183037476358175 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | CEROTINIC-ACID | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 27 | LINOLEIC-ACID | Seed | | 53488.0 | -0.45954312143518056 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 1 | BEHENIC-ACID | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | (1R,5R)-EPOXYSALVIAL-4(14)-EN-1-ONE | Plant | | | | J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991. |
| 35 | TANNIN | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | FAT | Seed | | 318000.0 | 0.27712837635038495 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---------------------|------------|---------|----------|---------------------|---|
| 64 | OLEANOLIC-ACID | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 8 | CARYOPHYLLENE-OXIDE | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 0 | ARACHIDIC-ACID | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 8 | STEARIC-ACID | Seed | | 8568.0 | -0.3794935346383565 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 20 | ALPHA-BISABOLOL | Plant | | | | Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986. |
| 5 | CAPRYLIC-ACID | Plant | | 2926.0 | 1.0 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 41 | CAMPHOR | Plant | | | | Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986. |
| 5 | SCLAREOL | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 8 | DELTA-3-CARENE | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 11 | NEROLIDOL | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 4 | CADINENE | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 1 | LIGNOCERIC-ACID | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 9 | CAMPHENE | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-----------------------|------------|---------|----------|----------------------|--|
| 0 | SALVIA-4(14)-EN-1-ONE | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 10 | CUMINALDEHYDE | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 6 | BUTYRIC-ACID | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 0 | ISOPATHULENOL | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 57 | ROSMARINIC-ACID | Plant | | 34000.0 | 0.34233127033765015 | Fitoterapia No.62: 166. |
| 15 | CITRONELLOL | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 0 | VALERIC-ACID-ESTER | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 47 | BETA-SITOSTEROL | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | ACETIC-ACID-ESTER | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | TRANS-LINALOL-OXIDE | Plant | | | | Flavour and Fragrance Journal, 6: 153. |
| 0 | PROTEIN | Seed | | 207000.0 | -0.23836489772194505 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 89 | URSOLIC-ACID | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | N-PENTANOL | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 13 | BETA-PINENE | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 2 | 3-OCTANOL | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|----------------------|------------|---------|----------|--------|--|
| 0 | TRANS-BETA-TERPINEOL | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |