

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	VALERIC-ACID-ESTER	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
89	URSOLIC-ACID	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	TRANS-BETA-TERPINEOL	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TRANS-BETA-OCIMENE	Plant	4.4	42.0	1.0	Flavour and Fragrance Journal, 6: 154.
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.
9	TERPINOLENE	Plant	1.0	12.0	-0.632005963895284	Flavour and Fragrance Journal, 6: 154.
23	TERPINEN-4-OL	Plant	1.0	6.0	-0.27887446536093696	Flavour and Fragrance Journal, 6: 154.
35	TANNIN	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
5	SCLAREOL	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	SALVIA-4(14)-EN-1-ONE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
57	ROSMARINIC-ACID	Plant		34000.0	0.34233127033765015	Fitoterapia No.62: 166.
0	PROTEIN	Seed		207000.0	-0.23836489772194505	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROPIONIC-ACID-ESTER	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHELLANDRENE	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
13	PALMITIC-ACID	Seed		22419.0	-0.23702433619164334	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
16	P-CYMENE	Plant	1.0	27.0	-0.413226629726817	Flavour and Fragrance Journal, 6: 154.
18	OLEIC-ACID	Seed		69006.0	-0.41183037476358175	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
64	OLEANOLIC-ACID	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	NERYL-ACETATE	Plant	6.0	144.0	-0.34809159519951677	Flavour and Fragrance Journal, 6: 154.
11	NEROLIDOL	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
10	NEROL	Plant	6.0	280.0	-0.2613461703399936	Flavour and Fragrance Journal, 6: 154.
4	NERAL	Plant	0.4	340.0	-0.4529210059550321	Flavour and Fragrance Journal, 6: 154.
0	N-PENTANOL	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	N-NONANOL	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	MYRCENE	Plant	1.0	42.0	-0.4299591021419887	Flavour and Fragrance Journal, 6: 154.
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	LINOLENIC-ACID	Seed		161100.0	2.2325446403885323	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
7	LINALYL-ACETATE	Plant	1.0	3750.0	1.2252438325280266	--
0	LINALOL	Plant	7.0	930.0	-0.22196813466982201	Flavour and Fragrance Journal, 6: 153.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	LIMONENE	Plant	0.4	12.0	-0.47842885281373365	Flavour and Fragrance Journal, 6: 154.
1	LIGNOCERIC-ACID	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ISOPATHULENOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
2	GERMACRENE-D	Plant	3.0	312.0	-0.1586261106208064	Flavour and Fragrance Journal, 6: 154.
5	GERANYL-ACETATE	Plant	20.0	1150.0	0.8183134296998488	Flavour and Fragrance Journal, 6: 154.
35	GERANIOL	Plant	22.0	735.0	-0.3233579457789868	Flavour and Fragrance Journal, 6: 154.
13	GERANIAL	Plant	0.8	580.0	-0.4657495420554852	Flavour and Fragrance Journal, 6: 154.
11	GAMMA-TERPINENE	Plant	1.0	21.0	-0.5254205342752221	Flavour and Fragrance Journal, 6: 154.
0	FURFUROL	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	FAT	Seed		318000.0	0.27712837635038495	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	EO	Plant	400.0	5000.0	-0.36013745523464397	--
8	DELTA-3-CARENE	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
10	CUMINALDEHYDE	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
15	CITRONELLOL	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
53	CITRAL	Plant	75.0	920.0	-0.6684179675532087	Flavour and Fragrance Journal, 6: 154.
0	CIS-LINALOL-OXIDE	Plant				Flavour and Fragrance Journal, 6: 153.
0	CIS-BETA-OCIMENE	Plant	2.4	24.0	1.0	Flavour and Fragrance Journal, 6: 154.
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.

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0	CIS-3-HEXEN-1-OL	Plant				--
0	CEROTINIC-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.
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.
9	CAMPHENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
4	CADINENE	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	BUTYRIC-ACID	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
13	BETA-PINENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	BETA-MYRCENE	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	BETA-CARYOPHYLLENE	Plant	1.0	30.0	-0.7887095500599811	Flavour and Fragrance Journal, 6: 153.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	BENZALDEHYDE	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
1	BEHENIC-ACID	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ARACHIDIC-ACID	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
28	ALPHA-PINENE	Plant	0.0	3.0	-0.47935237569528083	Flavour and Fragrance Journal, 6: 154.
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.
0	ACETIC-ACID-ESTER	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	3-OCTANOL	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
0	(2S,5E)-EPOXYCARYOPHYLL-5-EN-12-AL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	(2R,5E)-EPOXYCARYOPHYLL-5-ENE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	(2R,5E)-EPOXYCARYOPHYLL-5-EN-12-AL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	(1R,5R)-EPOXSALVIAL-4(14)-EN-1-ONE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.