

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	(2R,5E)-EPOXYCARYOPHYLL-5-ENE	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
9	CAMPHENE	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CIS-3-HEXEN-1-OL	Plant				--
24	BENZALDEHYDE	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	FURFUROL	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	(2R,5E)-EPOXYCARYOPHYLL-5-EN-12-AL	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
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.
0	CEROTINIC-ACID	Plant				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
35	TANNIN	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	(1R,5R)-EPOXYLSALVIAL-4(14)-EN-1-ONE	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
89	URSOLIC-ACID	Plant				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
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

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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	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
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.
15	CITRONELLOL	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
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.

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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
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.
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	BETA-CARYOPHYLLENE	Plant	1.0	30.0	-0.7887095500599811	Flavour and Fragrance Journal, 6: 153.
53	CITRAL	Plant	75.0	920.0	-0.6684179675532087	Flavour and Fragrance Journal, 6: 154.
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.
28	ALPHA-PINENE	Plant	0.0	3.0	-0.47935237569528083	Flavour and Fragrance Journal, 6: 154.
60	LIMONENE	Plant	0.4	12.0	-0.47842885281373365	Flavour and Fragrance Journal, 6: 154.
13	GERANIAL	Plant	0.8	580.0	-0.4657495420554852	Flavour and Fragrance Journal, 6: 154.
27	LINOLEIC-ACID	Seed		53488.0	-0.45954312143518056	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	NERAL	Plant	0.4	340.0	-0.4529210059550321	Flavour and Fragrance Journal, 6: 154.
22	MYRCENE	Plant	1.0	42.0	-0.4299591021419887	Flavour and Fragrance Journal, 6: 154.
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
8	STEARIC-ACID	Seed		8568.0	-0.3794935346383565	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
23	ALPHA-TERPINEOL	Plant	1.0	155.0	-0.36049099439408827	Flavour and Fragrance Journal, 6: 154.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	EO	Plant	400.0	5000.0	-0.36013745523464397	--
5	NERYL-ACETATE	Plant	6.0	144.0	-0.34809159519951677	Flavour and Fragrance Journal, 6: 154.
35	GERANIOL	Plant	22.0	735.0	-0.3233579457789868	Flavour and Fragrance Journal, 6: 154.
23	TERPINEN-4-OL	Plant	1.0	6.0	-0.27887446536093696	Flavour and Fragrance Journal, 6: 154.
10	NEROL	Plant	6.0	280.0	-0.2613461703399936	Flavour and Fragrance Journal, 6: 154.
0	PROTEIN	Seed		207000.0	-0.23836489772194505	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	PALMITIC-ACID	Seed		22419.0	-0.23702433619164334	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	LINALOL	Plant	7.0	930.0	-0.22196813466982201	Flavour and Fragrance Journal, 6: 153.
0	ALPHA-TERPINYL-ACETATE	Plant	1.0	155.0	-0.2093634965349002	Flavour and Fragrance Journal, 6: 154.
2	GERMACRENE-D	Plant	3.0	312.0	-0.1586261106208064	Flavour and Fragrance Journal, 6: 154.
0	FAT	Seed		318000.0	0.27712837635038495	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
57	ROSMARINIC-ACID	Plant		34000.0	0.34233127033765015	Fitoterapia No.62: 166.
5	GERANYL-ACETATE	Plant	20.0	1150.0	0.8183134296998488	Flavour and Fragrance Journal, 6: 154.
5	CAPRYLIC-ACID	Plant		2926.0	1.0	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	TRANS-BETA-OCIMENE	Plant	4.4	42.0	1.0	Flavour and Fragrance Journal, 6: 154.
0	CIS-BETA-OCIMENE	Plant	2.4	24.0	1.0	Flavour and Fragrance Journal, 6: 154.
7	LINALYL-ACETATE	Plant	1.0	3750.0	1.2252438325280266	--
0	LINOLENIC-ACID	Seed		161100.0	2.2325446403885323	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses