

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Salvia sclarea*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(1R,5R)-EPOXYSALVIAL-4(14)-EN-1-ONE	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	(2R,5E)-EPOXYCARYOPHYLL-5-ENE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	(2S,5E)-EPOXYCARYOPHYLL-5-EN-12-AL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
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.
2	3-OCTANOL	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
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.
28	ALPHA-PINENE	Plant	--	3	-0.47935237569528083	Flavour and Fragrance Journal, 6: 154.
23	ALPHA-TERPINEOL	Plant	1	155	-0.36049099439408827	Flavour and Fragrance Journal, 6: 154.
0	ALPHA-TERPINYL-ACETATE	Plant	1	155	-0.2093634965349002	Flavour and Fragrance Journal, 6: 154.
0	ARACHIDIC-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

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24	BENZALDEHYDE	Plant	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	BETA-CARYOPHYLLENE	Plant	1	30	-0.7887095500599811	Flavour and Fragrance Journal, 6: 153.
0	BETA-GURJUENE	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.
13	BETA-PINENE	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
6	BUTYRIC-ACID	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
9	CAMPHENE	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
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	CAPRYLIC-ACID	Plant	2926	2926	1	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

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8	CARYOPHYLLENE-OXIDE	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CEROTINIC-ACID	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CIS-3-HEXEN-1-OL	Plant	--	--		
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.
0	CIS-BETA-OCIMENE	Plant	2.4	24	1	Flavour and Fragrance Journal, 6: 154.
0	CIS-LINALOL-OXIDE	Plant	--	--		Flavour and Fragrance Journal, 6: 153.
53	CITRAL	Plant	75	920	-0.6684179675532087	Flavour and Fragrance Journal, 6: 154.
15	CITRONELLOL	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
10	CUMINALDEHYDE	Plant	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
8	DELTA-3-CARENE	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	EO	Plant	400	5000	-0.36013745523464397	
0	FAT	Seed	318000	318000	0.27712837635038495	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FURFUROL	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
11	GAMMA-TERPINENE	Plant	1	21	-0.5254205342752221	Flavour and Fragrance Journal, 6: 154.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	GERANIAL	Plant	0.8	580	-0.4657495420554852	Flavour and Fragrance Journal, 6: 154.
35	GERANIOL	Plant	22	735	-0.3233579457789868	Flavour and Fragrance Journal, 6: 154.
5	GERANYL-ACETATE	Plant	20	1150	0.8183134296998488	Flavour and Fragrance Journal, 6: 154.
2	GERMACRENE-D	Plant	3	312	-0.1586261106208064	Flavour and Fragrance Journal, 6: 154.
0	ISOSPATHULENOL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
1	LIGNOCERIC-ACID	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
60	LIMONENE	Plant	0.4	12	-0.47842885281373365	Flavour and Fragrance Journal, 6: 154.
0	LINALOL	Plant	7	930	-0.22196813466982201	Flavour and Fragrance Journal, 6: 153.
7	LINALYL-ACETATE	Plant	1	3750	1.2252438325280266	
27	LINOLEIC-ACID	Seed	53488	53488	-0.45954312143518056	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	LINOLENIC-ACID	Seed	161100	161100	2.2325446403885323	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
22	MYRCENE	Plant	1	42	-0.4299591021419887	Flavour and Fragrance Journal, 6: 154.
0	N-NONANOL	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activity 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
4	NERAL	Plant	0.4	340	-0.4529210059550321	Flavour and Fragrance Journal, 6: 154.
10	NEROL	Plant	6	280	-0.2613461703399936	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.
5	NERYL-ACETATE	Plant	6	144	-0.34809159519951677	Flavour and Fragrance Journal, 6: 154.
64	OLEANOLIC-ACID	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
18	OLEIC-ACID	Seed	69006	69006	-0.41183037476358175	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
16	P-CYMENE	Plant	1	27	-0.413226629726817	Flavour and Fragrance Journal, 6: 154.
13	PALMITIC-ACID	Seed	22419	22419	-0.23702433619164334	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PELLANDRENE	Plant	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	PROPIONIC-ACID-ESTER	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Seed	207000	207000	-0.23836489772194505	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
57	ROSMARINIC-ACID	Plant	34000	34000	0.34233127033765015	Fitoterapia No.62: 166.
0	SALVIA-4(14)-EN-1-ONE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

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5	SCLAREOL	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	STEARIC-ACID	Seed	8568	8568	-0.3794935346383565	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
23	TERPINEN-4-OL	Plant	1	6	-0.27887446536093696	Flavour and Fragrance Journal, 6: 154.
9	TERPINOLENE	Plant	1	12	-0.632005963895284	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.
0	TRANS-BETA-OCIMENE	Plant	4.4	42	1	Flavour and Fragrance Journal, 6: 154.
0	TRANS-BETA-TERPINEOL	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TRANS-LINALOL-OXIDE	Plant	--	--		Flavour and Fragrance Journal, 6: 153.
89	URSOLIC-ACID	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.