

P Salvia sclarea

Common Name(s)

Clary Sage

How Used

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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.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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
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

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
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
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

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
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

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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.
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

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4	PHELLANDRENE	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.
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.

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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.	