

Active Ingredients in Salvia Sclarea oil

Salvia Sclarea oil present a natural vegetable oil formula of unique and rare active ingredients present in the oil. The presence of those ingredients suggest that the oil may provide an Anti-bacterial, Anti-oxidant Antiseptic, Antiviral, Anti-mutagenic Anti - inflammation, Antifungal and Astringent qualities.

One of those ingredients is Sclareol; Sclareol is a rare substance which used to be produced from whales. Sclareol has many unique medical properties and its presence in the Salvia Sclarea oil differentiate the oil from any known vegetable oil today.

Substance	Benefits
Alpha Linolenic Acid (ALA) Omega 3	Omega-3 fatty acids are PUFA required for the structure and function of the body's cells and are important in maintaining our health Salvia Sclarea Oil contain 50% Omega 3 ALA
Oleic Acid Omega 9	<ul style="list-style-type: none"> • Oleic acid may hinder the progression of ALD, or Adrenoleukodystrophy, a fatal disease that affects the Brain and adrenal glands. • Oleic acid may help boost memory. • Oleic acid may be responsible for the hypotensive (Blood pressure reducing) effects of olive oil. • Salvia Sclarea Oil contain 25% Omega 9
Lectin extracted from the seeds of Salvia sclarea	The lectin extracted from the seeds of Salvia sclarea (SSL) recognizes the Tn antigen (GalNAc alpha1-->Ser/Thr) expressed in certain human carcinomas. (J Biomed Sci. 2005;12(1):167-84. LinksLectinochemical studies on the glyco-recognition factors of a Tn (GalNAc alpha1-->Ser/Thr) specific lectin isolated from the seeds of Salvia sclarea).
Omega 3 to Omega 6 Ratio	Salvia Sclarea seed oil has an excellent 3:1 Omega 3 to Omega 6 ratio
Tannic Acid	Tannic acid has Anti-bacterial, Anti-oxidant Antiseptic, Antiviral, Anti-mutagenic and Astringent properties (The effects of resveratrol and tannic acid on apoptosis in colon adenocarcinoma cell line.Department of Medical Biology, Eskisehir Osmangazi University, Medical Faculty, Eskisehir, Turkey)

Substance	Benefits
Sclareol	<ul style="list-style-type: none"> • Sclareol has Antioxidant, Antibacterial and Antifungal properties. • Sclareol posses cyto-toxic and cyto-static activity: Induced Apoptosis in human leukemic cells. • Sclareol enhanced the activity of known Anticancer Drugs, doxorubicin, etoposide and cisplatinum, against MDD2 breast cancer cell line. <p>Sclareol demonstrated a good Antibacterial activity against:</p> <ul style="list-style-type: none"> • Staphylococcus aureus ATCC 25923, • Pseudomonas aeruginosa ATCC 27950, • Escherichia coli ATCC 25922 • Enterococcus faecalis ATCC 29212. • Sclareol demonstrated significant cytotoxic activity against Hep-2 cells. (<i>J Pharm Sci. 2007 Apr;20(2):146-8. Links</i>) • Antibacterial and cytotoxic activity of the acetone extract of the flowers of <i>Salvia sclarea</i> and some natural products
Linalool and Linalyl acetate	<p>Found to be effective as Anti - inflammation, Antibacterial, Antifungal. Behave as synergistic and strengthening other bioactive materials. (Anti-inflammatory activity of linalool and linalyl acetate constituents of essential oils <i>Dipartimento di Scienze del Farmaco, Università degli Studi di Sassari, Sassari, Italy</i>)</p>
Manool	<p>Have proved as platelet aggregation inhibitors and effective Antimicrobial with: <i>Staphylococcus Aureus, Candida Albicans and Proteus mirabilis</i> (Synthesis of manool-related labdane diterpenes as platelet aggregation inhibitors Shionogi Research Laboratories, Shionogi & Co., Ltd., Osaka, Japan), (Transformations of manool. tri- and tetracyclic norditerpenoids with in vitro activity against <i>Plasmodium falciparum</i> <i>Department of Chemistry, Rhodes University, Grahamstown, South Africa</i>).</p>
Caryophyllene oxide	<p>Caryophyllene oxide, an oxygenated terpenoid, well known as preservative in food, drugs and cosmetics, Found to be effective as an Antifungal against dermatophytes (Use of caryophyllene oxide as an antifungal agent in an in vitro experimental model of onychomycosis Authors: <i>Yang, Depo 1; Michel, Laura 1; Chaumont, Jean-Pierre2; Millet-Clerc, Joëlle 1</i>)</p>

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Sterols	<p>Plant sterols reduce the uptake of cholesterol into the body. The cholesterol that is not absorbed or taken up is removed from the body. As a result blood total and bad (LDL) cholesterol decrease, while good (HDL) cholesterol is not affected. (Extensive research shows that functional foods fortified with plant sterols and plant sterol supplements, can effectively reduce cholesterol up to 15% (<i>Katan MB et al. 2003, Mayo Clin Proc. 2003 Aug;78(8):965-78. Review</i>))</p>
Sterols present in Salvia Sclarea seed oil	<ul style="list-style-type: none"> • Campestanol • Stigmasterol D-7-Campesterol • D-5, 23-Stigmastadienol • Chlerosterol • B-Sitosterol • Sitostanol • D-5-Avenasterol • D-5,24-Stigmastadienol • D-7-Stigmastanol • D-7-Avenasterol
Tocopherols (Vitamin E)	<ul style="list-style-type: none"> • Vitamin E may help prevent or delay coronary heart disease by limiting the oxidation of LDL-cholesterol. • Vitamin E also may help prevent the formation of blood clots, which could lead to a heart attack. • Observational studies have associated lower rates of heart disease with higher vitamin E intake
Tocopherols in Salvia Sclarea seed oil	Tocopherols occur in Salvia Sclarea are Alpha, Beta, Gamma and Delta forms, determined by the number of methyl groups on the chromanol ring all of them
Substance	Benefits
Coenzyme Q10	<p>Coenzyme Q10, also referred to as Co Q10 is a vitamin-like compound which is present in all cells.</p> <p>Q10 has several different actions in the body. Its most notable effects are:</p> <ul style="list-style-type: none"> • Antioxidant - it scavenges free radicals • Improves the efficiency of cellular energy production in the mitochondria of the cell • Regulates genes concerned with energy production • Stabilizes membranes