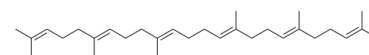


## Data Sheet

<b>Product Name:</b>	Squalene
<b>Cat. No.:</b>	CS-0016601
<b>CAS No.:</b>	111-02-4
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>50</sub>
<b>Molecular Weight:</b>	410.72
<b>Target:</b>	Endogenous Metabolite; Reactive Oxygen Species
<b>Pathway:</b>	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
<b>Solubility:</b>	DMSO : 16.67 mg/mL (40.59 mM; Need ultrasonic); H <sub>2</sub> O : < 0.1 mg/mL (insoluble)



### BIOLOGICAL ACTIVITY:

Squalene is an intermediate product in the synthesis of cholesterol, and shows several pharmacological properties such as hypolipidemic, hepatoprotective, cardioprotective, antioxidant, and antitoxicant activity.

### References:

[1]. Muzalevskaya EN, et al. SQUALENE: PHYSIOLOGICAL AND PHARMACOLOGICAL PROPERTIES. Eksp Klin Farmakol. 2015;78(6):30-6.

### CAIndexNames:

2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-hexamethyl-, (6E,10E,14E,18E)-

### SMILES:

C/C(C)=C\CC/C(C)=C/CC/C(C)=C/CC/C=C(C)/CC/C=C(C)/CC/C=C(C)\C

**Caution: Product has not been fully validated for medical applications. For research use only.**

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