

(E/Z)-Squalene

Chemical Properties

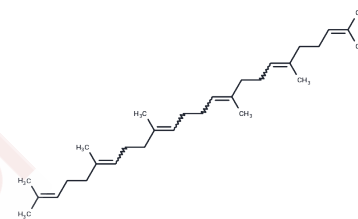
CAS No. : 7683-64-9

Formula: C₃₀H₅₀

Molecular Weight: 410.72

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	(E/Z)-Squalene ((E/Z)-AddaVax) regulates intracellular reactive oxidant species (ROS) production, induces apoptosis and necrosis in a concentration- and time-dependent manner, accumulates in the liver, and lowers hepatic cholesterol and triglycerides.
Targets(IC50)	Apoptosis,ROS
In vitro	(E/Z)-Squalene (0-50 μ M) in human breast epithelial cells (MCF10A) decreases intracellular ROS levels, thereby preventing H ₂ O ₂ -induced oxidative damage and protecting against DNA oxidative damage.[1]

Solubility Information

Solubility	DMSO: 50 mg/mL (121.74 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4347 mL	12.1737 mL	24.3475 mL
5 mM	0.4869 mL	2.4347 mL	4.8695 mL
10 mM	0.2435 mL	1.2174 mL	2.4347 mL
50 mM	0.0487 mL	0.2435 mL	0.4869 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lou-Bonafonte JM, et al. Current Insights into the Biological Action of Squalene. Mol Nutr Food Res. 2018;62(15): e1800136.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481