

Squalene

Cat. No.:	OB0225LY-0256
Appearance:	Liquid
Purity:	≥99%
Identity:	Confirmed by NMR and GC.
Size:	10 mg; 25 mg; 50 mg; 100 mg; 200 mg; 500 mg

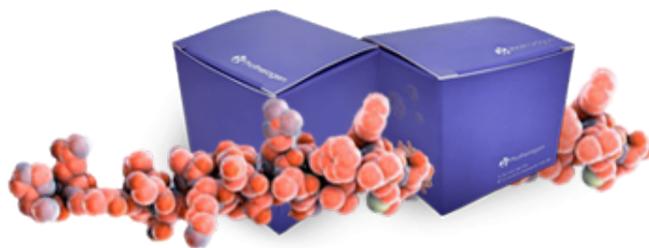
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Squalene is a naturally occurring triterpene widely found in plants, animals and microorganisms.
Synonym	Nikko squalane EX; Super squalene; AddaVax; all-trans-Squalene; trans-Squalene; Spinacene; 111-02-4; 2,6,10,15,19,23-Hexamethyltetracos-2,6,10,14,18,22-hexaene ; (E,E,E,E)-Squalene; (All-E)-2,6,10,15,19,23 -Hexamethyl-2,6,10,14,18,22-tetracosahexaene; (E/Z)-Squalene; 2,6, 10,15,19,23-Hexamethyltetracos- (2E,6E,10E,14E,18 E,22E)-2,6,10,14,18,22-hexaene
CAS No.	111-02-4
Compound CID	638072
Formula	C ₃₀ H ₅₀
Formula Weight	410.72

Specification

Relative Density	0.855-0.865 g/cm ³ at 20°C.
IUPAC Name	(6E,10E,14E,18E)-2,6,10,15,19,23-Hexamethyltetracos-2,6,10,14,18,22-hexaene
InChI	InChI=1S/C30H50/c1-25(2)15-11-19-29(7)23-13-21-27(5)17-9-10-18-28(6)22-14-24-30(8)20-12-16-26(3)4/h15-18,23-24H,9-14,19-22H2,1-8H3/b27-17+,28-18+,29-23+,30-24+
InChI Key	YYGNTYWPHWGJRM-AAJYLUCBSA-N
SMILES string	CC(=CCC/C(=C/CC/C(=C/CC/C=C(/CC/C=C(/CCC=C(C)C)\C)\C)/C)/C
Stability	3 years in powder form.



Storage	Storage at -20°C.
Applications	Squalene plays a role in novel drug development and cholesterol synthesis.

Library Information

Targets	Reactive oxygen species
Pathways	Microbiology/Virology; Immunology/Inflammation; Metabolism; NF-κB
Plate Number	AOCL-4
Plate Location	c2
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	3 mg/mL; 7.3 mM