

Cholesterol nervonate

Chemical Properties

CAS No. : 60758-73-8

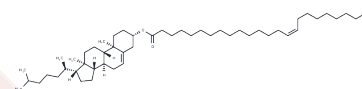
Formula: C51H90O2

Molecular Weight: 735.26

Store at low temperature

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Cholesterol nervonate is a specific cholesterol ester molecular species composed of cholesterol esterified to the very long-chain monounsaturated fatty acid nervonic acid, which has been identified as a constituent of the complex lipid mixture in human meibum, the secretory product of the meibomian glands. Cholesterol nervonate has been experimentally used in the generation of synthetic liposomes for membrane biophysics and drug delivery research.
Targets(IC50)	Others, Liposome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3601 mL	6.8003 mL	13.6006 mL
5 mM	0.272 mL	1.3601 mL	2.7201 mL
10 mM	0.136 mL	0.680 mL	1.3601 mL
50 mM	0.0272 mL	0.136 mL	0.272 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

Song S, et al. [Analysis of correlation between serum fatty acid profile and cognitive impairment in the elderly]. Zhonghua Yu Fang Yi Xue Za Zhi. 2018 Jun 6;52(6):636-641.

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