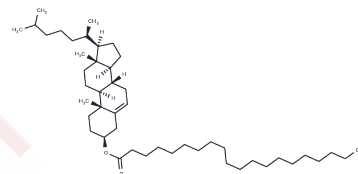


## Cholesteryl Arachidate

## Chemical Properties

CAS No. :	2573-03-7
Formula:	C47H84O2
Molecular Weight:	681.187
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	Cholesteryl arachidate is a cholesterol ester that has been found in human meibum.[1] [2] It has been used as an internal standard for the quantification of fatty acids in B. napus.[3]
Targets(IC50)	Others

## Solubility Information

Solubility	Chloroform: 10 mg/mL (14.68 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.468 mL	7.3401 mL	14.6802 mL
5 mM	0.2936 mL	1.468 mL	2.936 mL
10 mM	0.1468 mL	0.734 mL	1.468 mL
50 mM	0.0294 mL	0.1468 mL	0.2936 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

Butovich, I.A. Cholesteryl esters as a depot for very long chain fatty acids in human meibum. J. Lipid. Res. 50(3), 501-513 (2009).

Chen, J., Green, K.B., and Nichols, K.K. Quantitative profiling of major neutral lipid classes in human meibum by direct infusion electrospray ionization mass spectrometry. Invest. Ophthalmol. Vis. Sci. 54(8), 5730-5753 (2013).

Madey, E., Nowack, L.M., and Thompson, J.E. Isolation and characterization of lipid in phloem sap of canola. Planta 4(4), 625-634 (2002).

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