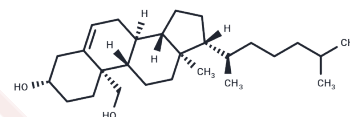


19-hydroxy Cholesterol

Chemical Properties

CAS No. :	561-63-7
Formula:	C ₂₇ H ₄₆ O ₂
Molecular Weight:	402.65
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	19-hydroxy Cholesterol is an oxysterol and an internal standard for quantitative measurement of sterols by capillary gas chromatography. It can promote atherosclerosis. Frozen storage and grilling of Atlantic cod fillets (<i>Merluccius hubbsi</i>) can promote the increase of 19-Hydroxy cholesterol content.
Targets(IC50)	Others

Solubility Information

Solubility	DMF: 1 mg/mL (2.48 mM), Sonication is recommended. Ethanol:PBS (pH 7.2)(1:2): <1 mg/mL (insoluble or slightly soluble.) Ethanol: 8 mg/mL (19.87 mM), Sonication is recommended. DMSO: <1 mg/mL (insoluble or slightly soluble.) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4835 mL	12.4177 mL	24.8355 mL
5 mM	0.4967 mL	2.4835 mL	4.9671 mL
10 mM	0.2484 mL	1.2418 mL	2.4835 mL
50 mM	0.0497 mL	0.2484 mL	0.4967 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

Hadd HE. A new and improved synthesis of 19-iodocholesterol 3-acetate. Steroids. 1978 Apr;31(4):453-61.

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