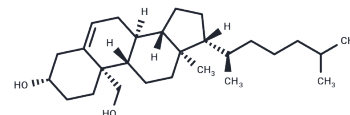


19-hydroxy Cholesterol

Chemical Properties

CAS No. :	561-63-7
Formula:	C ₂₇ H ₄₆ O ₂
Molecular Weight:	402.65
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	19-hydroxy Cholesterol is formed during metabolic oxidation of cholesterol. It has been used as an internal standard for the quantitative determination of sterols by mass spectroscopic analysis.[1]
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Solubility Information

Solubility	DMF: 2 mg/mL Ethanol:PBS (pH 7.2)(1:2): 0.3 mg/mL Ethanol: 20 mg/mL DMSO: 0.1 mg/mL (< 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.

Reference

Yamaga, N., Ogura, Y., Islam, A., et al. Utility of 19-hydroxycholesterol as an internal standard compound for the quantitative determination of sterols using capillary gas chromatograph. Yonago Acta medica 45, 27-33 (2002).

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