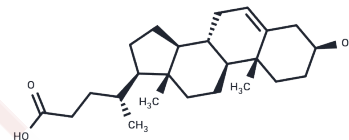


3 β -Hydroxy-5-cholenoic acid

Chemical Properties

CAS No. :	5255-17-4
Formula:	C ₂₄ H ₃₈ O ₃
Molecular Weight:	374.56
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	3 β -Hydroxy-5-cholenoic acid is a monohydroxy bile acid of endogenous origin.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 3.75 mg/mL (10.01 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	2.6698 mL	13.349 mL	26.698 mL
5 mM	0.534 mL	2.6698 mL	5.3396 mL
10 mM	0.267 mL	1.3349 mL	2.6698 mL
50 mM	0.0534 mL	0.267 mL	0.534 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

Back P, Ross K. Identification of 3 beta-hydroxy-5-cholenoic acid in human meconium.[J]. Hoppe-Seyler's Zeitschrift für physiologische Chemie, 1973, 354(1):83.

Deng K, Li M, Xiang L, et al. Integrated UHPLC-Q-Exactive Orbitrap HRMS and Serum Pharmacochimistry for the Investigation of Anti-hepatic Fibrosis Effect of BaoGanNing Decoction. Phytomedicine. 2025: 156363.

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