

7-Ketolithocholic acid

Chemical Properties

CAS No. : 4651-67-6

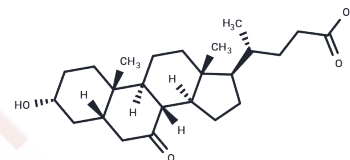
Formula: C₂₄H₃₈O₄

Molecular Weight: 390.56

Keep away from moisture

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	7-Ketolithocholic acid (3 α -Hydroxy-7-oxo-5 β -cholanolic acid) is capable of absorption and suppresses the production of endogenous bile acid and the secretion of biliary cholesterol.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 250 mg/mL (640.11 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	2.5604 mL	12.8021 mL	25.6043 mL
5 mM	0.5121 mL	2.5604 mL	5.1209 mL
10 mM	0.256 mL	1.2802 mL	2.5604 mL
50 mM	0.0512 mL	0.256 mL	0.5121 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

Choucair I, et al. Quantification of bile acids: a mass spectrometry platform for studying gut microbe connection to metabolic diseases. J Lipid Res. 2020 Feb;61(2):159-177.

Salen G, et al. Effect of 7-ketolithocholic acid on bile acid metabolism in humans. Gastroenterology. 1982 Aug;83(2):341-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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