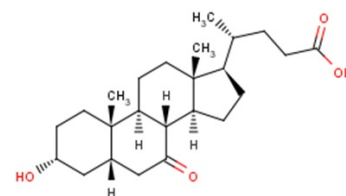


7-Ketolithocholic acid

Chemical Properties

CAS No.:	4651-67-6
Formula:	C ₂₄ H ₃₈ O ₄
Molecular Weight:	390.56
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	7-Ketolithocholic acid (3 α -Hydroxy-7-oxo-5 β -cholanic acid) can be absorbed and suppresses endogenous bile acid production and biliary cholesterol secretion.
Targets(IC ₅₀)	Human Endogenous Metabolite: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.56 mL	12.802 mL	25.604 mL
5 mM	0.512 mL	2.56 mL	5.121 mL
10 mM	0.256 mL	1.28 mL	2.56 mL
50 mM	0.051 mL	0.256 mL	0.512 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. Salen G, et al. Effect of 7-ketolithocholic acid on bile acid metabolism in humans. *Gastroenterology.* 1982 Aug;83(2):341-7.

Inhibitors · Natural Compounds · Compound Libraries

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