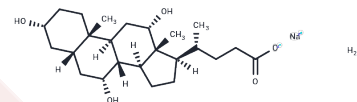


Cholic acid sodium hydrate

Chemical Properties

CAS No. :	206986-87-0
Formula:	C ₂₄ H ₄₁ NaO ₆
Molecular Weight:	448.57
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Cholic acid sodium hydrate is a natural and orally active bile acid that is synthesized primarily by the liver and secreted into the bile, where it plays an important role in the digestive process, aiding in the absorption of fats by emulsifying them, as well as participating in the excretion of cholesterol and regulating the metabolism of bile acids.
Targets(IC50)	Endogenous Metabolite
In vitro	Cholic acid sodium hydrate (1 mg/mL, 30 minutes) competitively binds to Na ⁺ /taurocholate cotransporting polypeptide (NTCP) on HepG2 cells.[1]
In vivo	Cholic acid sodium hydrate (1% cholic acid supplemented diet, oral, 14 days) may reduce SHP (small heterodimer partner) protein expression via upregulation of miR142-3p. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2293 mL	11.1465 mL	22.2931 mL
5 mM	0.4459 mL	2.2293 mL	4.4586 mL
10 mM	0.2229 mL	1.1147 mL	2.2293 mL
50 mM	0.0446 mL	0.2229 mL	0.4459 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

Li Y, et al. Mechanism of hepatic targeting via oral administration of DSPE-PEG-Cholic acid-modified nanoliposomes. Int J Nanomedicine. 2017 Feb 28;12:1673-1684.

Pan X, et al. Cholic acid Feeding Leads to Increased CYP2D6 Expression in CYP2D6-Humanized Mice. Drug Metab Dispos. 2017 Apr;45(4):346-352.

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