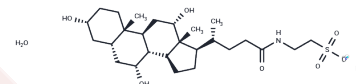


Taurocholic acid sodium salt hydrate

Chemical Properties

CAS No. :	345909-26-4
Formula:	C ₂₆ H ₄₄ NNaO ₇ S·xH ₂ O
Molecular Weight:	537.68
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	Taurocholic acid sodium salt hydrate is a bile acid sodium salt hydrate that participates in fat emulsification and can be used to establish pancreatitis models.
Targets(IC50)	Endogenous Metabolite,Potassium Channel

Solubility Information

Solubility	H ₂ O: 110 mg/mL (204.58 mM),Sonication is recommended. DMSO: 255 mg/mL (474.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.72 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8598 mL	9.2992 mL	18.5984 mL
5 mM	0.372 mL	1.8598 mL	3.7197 mL
10 mM	0.186 mL	0.9299 mL	1.8598 mL
50 mM	0.0372 mL	0.186 mL	0.372 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

Khatun Z, et al. J Control Release. 2014 Mar 10;177:64-73.

Li P, Chen Z, Meng K, et al. Discovery of Taurocholic Acid Sodium Hydrate as a Novel Repurposing Drug for Intervertebral Disc Degeneration by Targeting MAPK3. Orthopaedic Surgery. 2023

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