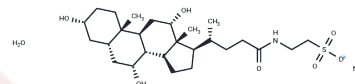


## Taurocholic acid sodium salt hydrate

## Chemical Properties

CAS No. :	345909-26-4
Formula:	C <sub>26</sub> H <sub>44</sub> NNaO <sub>7</sub> S·xH <sub>2</sub> O
Molecular Weight:	537.68
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Taurocholic acid sodium salt hydrate (Sodium taurocholate hydrate), formed by the conjugation of taurine with cholic acid, is the primary ingredient in the bile of carnivorous animals. It acts as a detergent to solubilize fats for absorption and is employed as a cholagogue and choleretic.
Targets(IC50)	Endogenous Metabolite,Potassium Channel

## Solubility Information

Solubility	H <sub>2</sub> O: 110 mg/mL (204.58 mM),Sonication is recommended. DMSO: 45 mg/mL (83.69 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	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.

## 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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