

Tauroolithocholic acid sodium salt

Chemical Properties

CAS No. : 6042-32-6

Formula: C₂₆H₄₄NNaO₅S

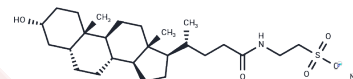
Molecular Weight: 505.69

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature, Store under nitrogen

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	Tauroolithocholic acid sodium salt (Sodium tauroolithocholate) is the major human metabolite, a bile acid which inhibits radioligand binding to muscarinic M1, but not to M2 or M3 receptors.
Targets(IC50)	Calcium Channel, Endogenous Metabolite

Solubility Information

Solubility	DMSO: 25 mg/mL (49.44 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 (3.95 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	1.9775 mL	9.8875 mL	19.775 mL
5 mM	0.3955 mL	1.9775 mL	3.955 mL
10 mM	0.1977 mL	0.9887 mL	1.9775 mL
50 mM	0.0395 mL	0.1977 mL	0.3955 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

Ha C E , Petersen C E , Park D S , et al. Investigations of the effects of ethanol on warfarin binding to human serum albumin[J]. 2000, 7(2):114-121.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481