

Glycocholic Acid Sodium Salt

Chemical Properties

CAS No. :	863-57-0
Formula:	C ₂₆ H ₄₂ NNaO ₆
Molecular Weight:	487.604
Storage:	Store under nitrogen,Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Glycocholic Acid Sodium Salt (Sodium Glycocholate) is a conjugated bile salt and ionic biologic detergent. It is involved in the emulsification of fats.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 250.00 mg/mL (512.71 mM),Sonication is recommended. H ₂ O: 50.00 mg/mL (102.54 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5.00 mg/mL (10.25 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	2.0509 mL	10.2543 mL	20.5086 mL
5 mM	0.4102 mL	2.0509 mL	4.1017 mL
10 mM	0.2051 mL	1.0254 mL	2.0509 mL
50 mM	0.041 mL	0.2051 mL	0.4102 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

Mohapatra M, Mishra A K. Effect of submicellar concentrations of conjugated and unconjugated bile salts on the lipid bilayer membrane.[J]. Langmuir, 2011, 27(22):13461-13467.

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