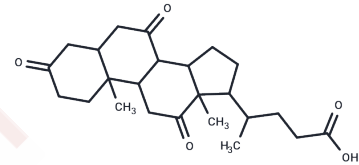


Dehydrocholic acid

Chemical Properties

CAS No. : 81-23-2
 Formula: C₂₄H₃₄O₅
 Molecular Weight: 402.52
 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	Dehydrocholic acid (Dehystolin) is a synthetic bile acid, produced by the oxidation of cholic acid.
Targets(IC50)	Others, Autophagy, Amylase, Lipase
In vivo	DHCA (dehydrocholic acid) infusion induces choleresis associated with reduced secretion of endogenous and/or exogenous biliary components[1].

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 12 mg/mL (29.81 mM), Sonication is recommended. DMSO: 45 mg/mL (111.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2 mg/mL (4.97 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	2.4843 mL	12.4217 mL	24.8435 mL
5 mM	0.4969 mL	2.4843 mL	4.9687 mL
10 mM	0.2484 mL	1.2422 mL	2.4843 mL
50 mM	0.0497 mL	0.2484 mL	0.4969 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

Yousef IM, et al. Digestion. 1990, 45(1):40-51.

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