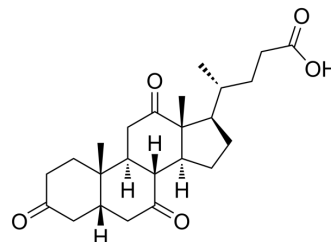


Dehydrocholic acid

Cat. No.:	HY-B1393		
CAS No.:	81-23-2		
Molecular Formula:	C ₂₄ H ₃₄ O ₅		
Molecular Weight:	402.52		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (62.11 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: 2.5 mg/mL (6.21 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (6.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Dehydrocholic acid is a synthetic bile acid produced by the oxidation of bile acids and is used as a bile excretory agent to increase bile production and remove increased bile acid load.

Caution: Product has not been fully validated for medical applications. For research use only.

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