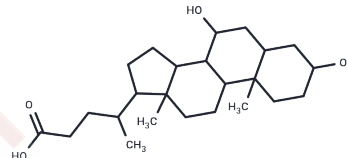


Ursodeoxycholic acid

Chemical Properties

CAS No. :	128-13-2
Formula:	C ₂₄ H ₄₀ O ₄
Molecular Weight:	392.57
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Ursodeoxycholic acid (UDCA) can be used to dissolve gallstones and reduce cholesterol absorption.
Targets(IC50)	Endogenous Metabolite,Potassium Channel

Solubility Information

Solubility	Ethanol: 73 mg/mL (185.95 mM),Sonication is recommended. DMSO: 55 mg/mL (140.1 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5473 mL	12.7366 mL	25.4732 mL
5 mM	0.5095 mL	2.5473 mL	5.0946 mL
10 mM	0.2547 mL	1.2737 mL	2.5473 mL
50 mM	0.0509 mL	0.2547 mL	0.5095 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

Schuetz EG, et al. J Biol Chem. 2001 Oct 19;276(42):39411-8.

Yan Y, Niu Z, Sun C, et al. Hepatic thyroid hormone signalling modulates glucose homeostasis through the regulation of GLP-1 production via bile acid-mediated FXR antagonism. Nature Communications. 2022, 13(1): 1-16.

Zhang H, Xu H, Zhang C, et al. Ursodeoxycholic Acid Suppresses The Malignant Progression of Colorectal Cancer Through TGR5-YAP Axis[J]. 2021

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481