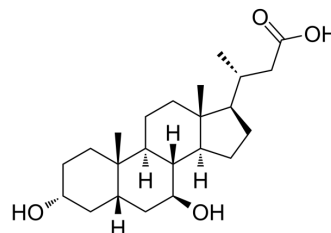


24-Norursodeoxycholic acid

Cat. No.:	HY-101737		
CAS No.:	99697-24-2		
Molecular Formula:	C ₂₃ H ₃₈ O ₄		
Molecular Weight:	378.55		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (132.08 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.6417 mL	13.2083 mL	26.4166 mL
		5 mM	0.5283 mL	2.6417 mL	5.2833 mL
10 mM		0.2642 mL	1.3208 mL	2.6417 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.60 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.60 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.60 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	24-norursodeoxycholic acid (Norucholic acid) is a side chain-shortened C ₂₃ homologue of UDCA and has shown potent anti-cholestatic, anti-inflammatory and anti-fibrotic properties.
In Vitro	24-norursodeoxycholic acid (Norucholic acid) is a side chain-shortened C ₂₃ homologue of UDCA and is previously shown to be highly effective in preclinical mouse models of cholestatic and fibrotic liver diseases. 24-norursodeoxycholic acid significantly reduces serum alkaline phosphatase (ALP) levels in a dose-dependent fashion. 24-norursodeoxycholic acid also significantly reduces γ-GT, ALT, and AST serum levels ^[1] .

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Fickert P, et al. 24-norUrsodeoxycholic acid is superior to ursodeoxycholic acid in the treatment of sclerosing cholangitis in Mdr2 (Abcb4) knockout mice. Gastroenterology. 2006 Feb;130(2):465-81.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA