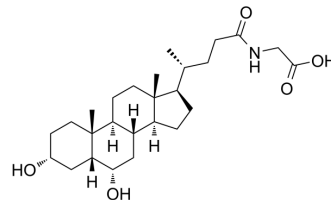


Glycohyodeoxycholic acid

Cat. No.:	HY-126995		
CAS No.:	13042-33-6		
Molecular Formula:	C ₂₆ H ₄₃ NO ₅		
Molecular Weight:	449.62		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 250 mg/mL (556.03 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	2.2241 mL	11.1205 mL	22.2410 mL
	5 mM	0.4448 mL	2.2241 mL	4.4482 mL
	10 mM	0.2224 mL	1.1121 mL	2.2241 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.63 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.63 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.63 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Glycohyodeoxycholic acid is a major metabolite of Hyodeoxycholic acid in humans. Glycohyodeoxycholic acid has preventative effects on gallstone formation ^{[1][2]} .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Sacquet E, et al. Intestinal absorption, excretion, and biotransformation of hyodeoxycholic acid in man. J Lipid Res. 1983 May;24(5):604-13.

[2]. McSherry CK, et al. Hyodeoxycholic acid: a new approach to gallstone prevention. Am J Surg. 1985 Jan;149(1):126-32.

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

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