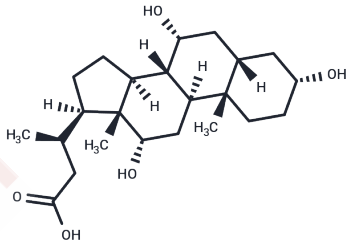
Data Sheet (Cat.No.T37177)

TargetMol

Norcholic Acid

Chemical Properties



CAS No. : 60696-62-0

Formula: C23H38O5

Molecular Weight: 394.54

Storage: Store at low temperature
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	Norcholic Acid (Nor Cholic Acid) is a bile acid that promotes tumor progression and immune escape by modulating the farnesol X receptor in hepatocellular carcinoma. Norcholic Acid is efficiently absorbed from the intestine and is rapidly secreted into the bile.
Targets(IC50)	Others
In vivo	In male Wistar rats (weighing 100-150g), Norcholic acid was administered orally at a concentration of 6.4 g/L, and the results showed that, within the first 24 hours post-administration, an average of approximately 40% of the administered radiolabeled compound could be recovered from the feces[1].

Solubility Information

Solubility	Methanol: 10 mg/mL (25.35 mM),Sonication is recommended. DMSO: 80 mg/mL (202.77 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (8.36 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5346 mL	12.673 mL	25.346 mL
5 mM	0.5069 mL	2.5346 mL	5.0692 mL
10 mM	0.2535 mL	1.2673 mL	2.5346 mL
50 mM	0.0507 mL	0.2535 mL	0.5069 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

Nakatomi F, et al. Intestinal absorption and metabolism of norcholic acid in rats. J Pharmacobiodyn. 1985;8(7): 557-563.

Bremmelgaard, A., and Sj?vall, J.Bile acid profiles in urine of patients with liver diseasesEur. J. Clin. Invest.9(5)341-348(1979)

Kuramoto, T., Furukawa, Y., Nishina, T., et al.Identification of short side chain bile acids in urine of patients with cerebrotendinous xanthomatosisJ. Lipid Res.101895-1902(1990)

Pilo de la Fuente, B., Sobrido, M.J., Girós, M., et al.Usefulness of cholestanol levels in the diagnosis and follow-up of patients with cerebrotendinous xanthomatosisNeurologia26(7)397-404(2011)