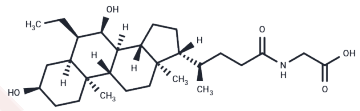
Data Sheet (Cat.No.T11428)

TargetMol

Glyco-Obeticholic acid

Chemical Properties



CAS No. : 863239-60-5

Formula: C28H47NO5

Molecular Weight: 477.68

Storage: 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	Glyco-Obeticholic acid is an active metabolite of Obeticholic acid. Obeticholic acid is an agonist of the farnesoid X receptor (FXR).
Targets(IC50)	FXR
In vitro	In the liver, obeticholic acid undergoes conjugation with glycine to produce glyco-obeticholic acid, subsequently secreted into bile. Upon reaching the ileum and colon, microorganisms deconjugate this compound back into its original form, obeticholic acid, facilitating its reabsorption or fecal excretion.

Solubility Information

Solubility	DMSO: 50 mg/mL (104.67 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0935 mL	10.4673 mL	20.9345 mL
5 mM	0.4187 mL	2.0935 mL	4.1869 mL
10 mM	0.2093 mL	1.0467 mL	2.0935 mL
50 mM	0.0419 mL	0.2093 mL	0.4187 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

Markham A, et al. Obeticholic Acid: First Global Approval. Drugs. 2016 Aug;76(12):1221-6.

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