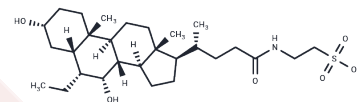


Tauro-Obeticholic acid

Chemical Properties

CAS No. :	863239-61-6
Formula:	C ₂₈ H ₄₉ NO ₆ S
Molecular Weight:	527.76
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	Tauro-Obeticholic acid is an active Obeticholic acid metabolite. Obeticholic acid is an orally bioavailable agonist of farnesoid-X receptor (FXR).
Targets(IC50)	FXR
In vitro	Obeticholic acid and taurine are conjugated in the liver to form taurine-obeticholic acid, which is secreted into the bile. Microorganisms in the ileum and colon can dissociate taurine-cholesteric acid and convert it into the parent drug, which can then be reabsorbed or excreted in feces.

Solubility Information

Solubility	DMSO: 50 mg/mL (94.74 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8948 mL	9.474 mL	18.948 mL
5 mM	0.379 mL	1.8948 mL	3.7896 mL
10 mM	0.1895 mL	0.9474 mL	1.8948 mL
50 mM	0.0379 mL	0.1895 mL	0.379 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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