

Tauro- $\alpha$ -muricholic Acid (sodium salt)

## Chemical Properties

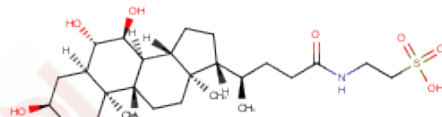
CAS No. : 2260905-08-4

Formula: C<sub>26</sub>H<sub>44</sub>NNaO<sub>7</sub>S

Molecular Weight: 537.69

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- $\alpha$ -muricholic acid ( $\alpha$ TaMCA) is an antagonist of the farnesoid X receptor (FXR; IC <sub>50</sub> = 28 $\mu$ M) and a taurine-conjugated form of the murine-specific primary bile acid $\alpha$ -muricholic acid. $\alpha$ TaMCA is common in rodents but has also been found in small amounts in human serum.
Targets(IC50)	Others,FXR,Endogenous Metabolite

## Solubility Information

Solubility	DMSO:PBS(pH 7.2) (1:4): 0.2 mg/mL (0.37 mM),Sonication is recommended. DMF: 10 mg/mL (18.6 mM),Sonication is recommended. DMSO: 10 mg/mL (18.6 mM),Sonication is recommended. Ethanol: 1 mg/mL (1.86 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	1.8598 mL	9.299 mL	18.5981 mL
5 mM	0.372 mL	1.8598 mL	3.7196 mL
10 mM	0.186 mL	0.9299 mL	1.8598 mL
50 mM	0.0372 mL	0.186 mL	0.372 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.

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