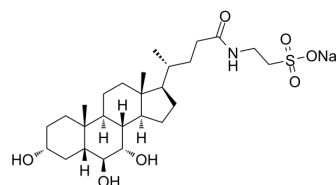


Tauro- α -muricholic acid sodium

Cat. No.:	HY-133890A
CAS No.:	2260905-08-4
Molecular Formula:	C ₂₆ H ₄₄ NNaO ₇ S
Molecular Weight:	537.68
Target:	Endogenous Metabolite; FXR
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (18.60 mM; Need ultrasonic and warming)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8598 mL	9.2992 mL	18.5984 mL
	5 mM	0.3720 mL	1.8598 mL	3.7197 mL
	10 mM	0.1860 mL	0.9299 mL	1.8598 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Tauro- α -muricholic acid (T- α -MCA) sodium is a FXR (Farnesoid X receptor) antagonist (IC₅₀=28 μ M). Tauro- α -muricholic acid sodium is also a endogenous metabolite that can be found in cecal^{[1][2]}.

IC₅₀ & Target

Microbial Metabolite

REFERENCES

- [1]. Chen W, et al. Farnesoid X receptor is inhibited after ileum transposition in diabetic rats: its hypoglycemic effect. *Int J Med Sci.* 2023 Apr 2;20(5):595-605.
- [2]. Ye X, et al. Sodium butyrate alleviates cholesterol gallstones by regulating bile acid metabolism. *Eur J Pharmacol.* 2021 Oct 5;908:174341.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA