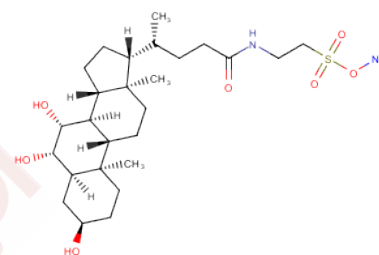


Tauro- β -muricholic acid sodium

Chemical Properties

CAS No. :	145022-92-0
Formula:	C ₂₆ H ₄₄ NNaO ₇ 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- β -muricholic Acid sodium is an endogenous metabolite, is a competitive and reversible antagonist of farnesoid X receptor (FXR)(IC ₅₀ of 40 μ M).
Targets(IC ₅₀)	FXR

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.

Reference

- Sayin SI, et al. Gut microbiota regulates bile acid metabolism by reducing the levels of tauro-beta-muricholic acid, a naturally occurring FXR antagonist. *Cell Metab.* 2013 Feb 5;17(2):225-35.
- Wahlström A, et al. Induction of farnesoid X receptor signaling in germ-free mice colonized with a human microbiota. *J Lipid Res.* 2017 Feb;58(2):412-419.
- Fu T, et al. FXR Regulates Intestinal Cancer Stem Cell Proliferation. *Cell.* 2019 Feb 21;176(5):1098-1112.e18.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481