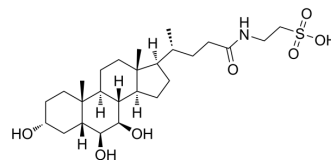


Tauro-β-muricholic acid

Cat. No.:	HY-N9933
CAS No.:	25696-60-0
Molecular Formula:	C ₂₆ H ₄₅ NO ₇ S
Molecular Weight:	515.7
Target:	FXR; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tauro-β-muricholic acid (TBMCA) is a trihydroxylated bile acid. Tauro-β-muricholic acid is a competitive and reversible FXR antagonist (IC ₅₀ = 40 μM). Tauro-β-muricholic acid has antiapoptotic effect. Tauro-β-muricholic acid inhibits bile acid-induced hepatocellular apoptosis by maintaining the mitochondrial membrane potential ^{[1][2]} .
IC₅₀ & Target	40 μM (FXR) ^[1]

REFERENCES

[1]. Denk GU, et al. Tauro-β-muricholic acid restricts bile acid-induced hepatocellular apoptosis by preserving the mitochondrial membrane potential. *Biochem Biophys Res Commun.* 2012 Aug 10;424(4):758-64.

[2]. 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.

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