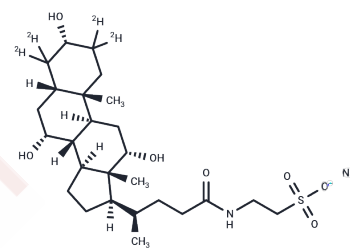


Taurocholic Acid-D4 Sodium

Chemical Properties

CAS No. :	2410279-93-3
Formula:	C ₂₆ H ₄₀ D ₄ NNaO ₇ S
Molecular Weight:	541.71
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Taurocholic Acid-D4 Sodium is a deuterium-labelled compound of Taurocholic Acid (TMSM-2592), which can be used for isotopic tracing. Taurocholic Acid is an immunomodulatory bile acid that plays an essential role in the digestion and absorption of fats and steroids in the intestine and liver.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMF: 20 mg/mL (36.92 mM),Sonication is recommended. Ethanol: 1 mg/mL (1.85 mM),Sonication is recommended. DMSO: 40 mg/mL (73.84 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	1.846 mL	9.230 mL	18.4601 mL
5 mM	0.3692 mL	1.846 mL	3.692 mL
10 mM	0.1846 mL	0.923 mL	1.846 mL
50 mM	0.0369 mL	0.1846 mL	0.3692 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

Khatun, Z., Nurunnabi, M., Cho, K., Byun, Y., Bae, Y., & Lee, Y. (2014). Oral absorption mechanism and anti-angiogenesis effect of taurocholic acid-linked heparin-docetaxel conjugates. *Journal Of Controlled Release*, 177, 64-73.

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