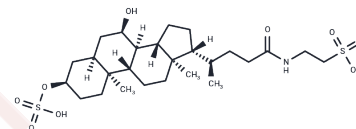


Taurochenodeoxycholate-3-sulfate

Chemical Properties

CAS No. :	67030-59-5
Formula:	C ₂₆ H ₄₅ NO ₉ S ₂
Molecular Weight:	579.77
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	Taurochenodeoxycholate-3-sulfate (TDCS) is a top-ranking classifier on the receiver operating characteristic curve for severe and non-severe COVID-19 patients.
Targets(IC50)	Endogenous Metabolite
In vivo	Biliary excretion of Taurochenodeoxycholate-3-sulfate remained unchanged in injured rats in zones 1 and 3. [1]

Solubility Information

Solubility	DMSO: 40 mg/mL (68.99 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	1.7248 mL	8.6241 mL	17.2482 mL
5 mM	0.345 mL	1.7248 mL	3.4496 mL
10 mM	0.1725 mL	0.8624 mL	1.7248 mL
50 mM	0.0345 mL	0.1725 mL	0.345 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

Sasamoto T, et al. Biliary excretion of sulfated bile acids and organic anions in zone 1- and zone 3-injured rats. J Gastroenterol Hepatol. 2006 Jan;21(1 Pt 1):26-31.

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