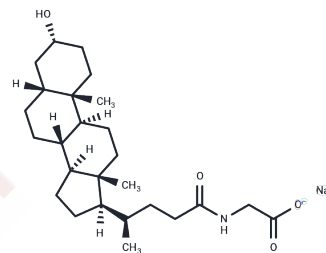


Glycolithocholic acid, sodium salt

Chemical Properties

CAS No. :	24404-83-9
Formula:	C ₂₆ H ₄₂ NNaO ₄
Molecular Weight:	455.61
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	Glycolithocholic acid sodium salt, the sodium form of Glycolithocholic acid, is a glycine-conjugated secondary bile acid utilized in diagnosing ulcerative colitis (UC), non-alcoholic steatohepatitis (NASH), and primary sclerosing cholangitis (PSC).
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 1 mg/mL (2.19 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	2.1949 mL	10.9743 mL	21.9486 mL
5 mM	0.439 mL	2.1949 mL	4.3897 mL
10 mM	0.2195 mL	1.0974 mL	2.1949 mL
50 mM	0.0439 mL	0.2195 mL	0.439 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

- Tanno N, et, al. Biliary lipid composition in heterozygous familial hypercholesterolemia and influence of treatment with probucol. Dig Dis Sci. 1994 Jul;39(7):1586-91.
- Ang ZH, et, al. Altered profiles of fecal bile acids correlate with gut microbiota and inflammatory responses in patients with ulcerative colitis. World J Gastroenterol. 2021 Jun 28;27(24):3609-3629.

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