

Glycolithocholic acid

Chemical Properties

CAS No. : 474-74-8

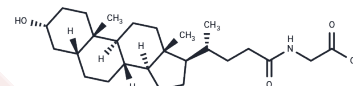
Formula: C₂₆H₄₃NO₄

Molecular Weight: 433.62

Keep away from direct sunlight

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 (Lithocholic acid glycine conjugate) is a glycine conjugate of lithocholic acid.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 247 mg/mL (569.62 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	2.3062 mL	11.5308 mL	23.0617 mL
5 mM	0.4612 mL	2.3062 mL	4.6123 mL
10 mM	0.2306 mL	1.1531 mL	2.3062 mL
50 mM	0.0461 mL	0.2306 mL	0.4612 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

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- Cai X, Li Z, Yao Y, et al. Glycolithocholic acid increases the frequency of circulating Tregs through constitutive androstane receptor to alleviate postmenopausal osteoporosis. *Biochemical Pharmacology*. 2023: 115951.
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