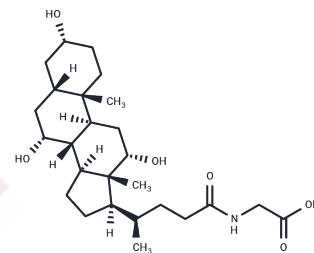


Glycocholic acid

Chemical Properties

CAS No. :	475-31-0
Formula:	C ₂₆ H ₄₃ NO ₆
Molecular Weight:	465.62
Appearance:	no data available
Storage:	keep away from moisture
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Glycocholic acid (Glycocholate) is a bile acid with anticancer activity. Glycocholic acid targets against pump resistance-related and non-pump resistance-related pathways.
Targets(IC50)	Endogenous Metabolite
Kinase Assay	Topoisomerase I-DNA interaction: Annealed 25-mer duplex of oligonucleotide-1 and oligonucleotide-2 is incubated with 25 or 50 units of rat liver topoisomerase I at 8 °C for 15 min in the presence or absence of betulinic acid in binding buffer. After incubation the reaction mixtures are electrophoresed in 7% non-denaturing polyacrylamide gel at 4 °C in 0.167 × TBE buffer and DNA bands are stained with ethidium bromid

Solubility Information

Solubility	DMSO: 84 mg/mL (180.4 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	2.1477 mL	10.7384 mL	21.4767 mL
5 mM	0.4295 mL	2.1477 mL	4.2953 mL
10 mM	0.2148 mL	1.0738 mL	2.1477 mL
50 mM	0.043 mL	0.2148 mL	0.4295 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.

Reference

Zhang A, et al. Clin Chim Acta. 2013 Mar 15;418:86-90.

Qiu Q, Guo G, Guo X, et al. P53 Deficiency Accelerate Esophageal Epithelium Intestinal Metaplasia Malignancy. Biomedicines. 2023, 11(3): 882.

Chen X, Cao S, Tao L, et al. Establishment of MS LOC platform and its pilot application in clinical lipidomics. Talanta. 2024: 127314.

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