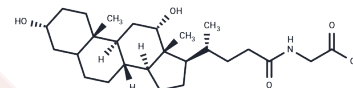


## GLYCODEOXYCHOLIC ACID

## Chemical Properties

CAS No. :	360-65-6
Formula:	C <sub>26</sub> H <sub>43</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	449.62
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Glycodeoxycholic Acid is an endogenous metabolite, a natural product found in <i>Streptomyces niger</i> , <i>Trypanosoma brucei</i> , and <i>Cryptomonas</i> , which induces hepatocyte necrosis and autophagy in patients with obstructive cholestasis.
Targets(IC50)	Endogenous Metabolite, STAT, Autophagy

## Solubility Information

Solubility	DMSO: 126 mg/mL (280.24 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (8.9 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2241 mL	11.1205 mL	22.241 mL
5 mM	0.4448 mL	2.2241 mL	4.4482 mL
10 mM	0.2224 mL	1.1121 mL	2.2241 mL
50 mM	0.0445 mL	0.2224 mL	0.4448 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

- CHEN Jiang, et al. The effect of glycodeoxycholic acid on P53 expression in the apoptosis of SMMC-7721 cells. Chinese Journal of Clinical Laboratory Science, 2009, 27(3):167-169.
- Qiu Q, Guo G, Guo X, et al. P53 Deficiency Accelerate Esophageal Epithelium Intestinal Metaplasia Malignancy. Biomedicines. 2023, 11(3): 882.
- Woolbright BL, et al. Glycodeoxycholic acid levels as prognostic biomarker in acetaminophen-induced acute liver failure patients. Toxicol Sci. 2014 Dec;142(2):436-44.

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