



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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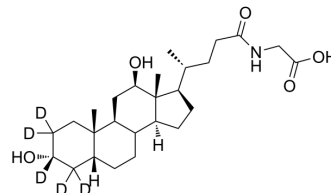
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Glycodeoxycholic acid-d₅

Cat. No.:	HY-W653999
Molecular Formula:	C ₂₆ H ₃₈ D ₅ NO ₅
Molecular Weight:	454.65
Target:	Isotope-Labeled Compounds; Endogenous Metabolite; STAT; Autophagy
Pathway:	Others; Metabolic Enzyme/Protease; JAK/STAT Signaling; Stem Cell/Wnt; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Glycodeoxycholic acid-d₅ is deuterium labeled Glycodeoxycholic Acid. Glycodeoxycholic Acid is a natural product found in *Streptomyces nigricans*, *Trypanosoma brucei* and *C. elegans*. Glycodeoxycholic Acid induces hepatocyte necrosis and autophagy in patients with obstructive cholestasis^{[1][2][3][4]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Shi C, et al. Glycochenodeoxycholic acid induces stemness and chemoresistance via the STAT3 signaling pathway in hepatocellular carcinoma cells. *Aging (Albany NY)*. 2020 Aug 3;12(15):15546-15555.
- [3]. Vaz AR, et al. Bilirubin selectively inhibits cytochrome c oxidase activity and induces apoptosis in immature cortical neurons: assessment of the protective effects of glycodeoxycholic acid. *J Neurochem*. 2010 Jan;112(1):56-65.
- [4]. Fauzi A, et al. Role of glycodeoxycholic acid to induce acute pancreatitis in *Macaca nemestrina*. *J Med Primatol*. 2022 Jun;51(3):134-142. doi: 10.1111/jmp.12577. Epub 2022 Mar 20. PMID: 35306662; PMCID: PMC9310849.

Caution: Product has not been fully validated for medical applications. For research use only.

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