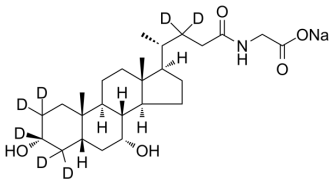
Glycochenodeoxycholic acid-d7 sodium

Cat. No.:	HY-N2334AS
Molecular Formula:	$C_{26}H_{35}D_7NNaO_5$
Molecular Weight:	478.65
Target:	Endogenous Metabolite; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Glycochenodeoxycholic acid-d7 (Chenodeoxycholylglycine-d7) sodium is the deuterium labeled Glycochenodeoxycholic acid (sodium salt). Glycochenodeoxycholic acid sodium salt (Chenodeoxycholylglycine sodium salt) is a bile acid formed in the liver from chenodeoxycholate and glycine. It acts as a detergent to solubilize fats for absorption and is itself absorbed. Glycochenodeoxycholic acid sodium salt (Chenodeoxycholylglycine sodium salt) induces hepatocyte apoptosis[1][2].
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

[2]. Liang S, et al. Effect of quercetin 7-rhamnoside on glycochenodeoxycholic acid-induced L-02 human normal livercell apoptosis. Int J Mol Med. 2013 Aug;32(2):323-30.

[3]. Gonzalez B, et al. Glycochenodeoxycholic acid (GCDC) induced hepatocyte apoptosis is associated with early modulation of intracellular PKC activity. Mol Cell Biochem. 2000 Apr;207(1-2):19-27.

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