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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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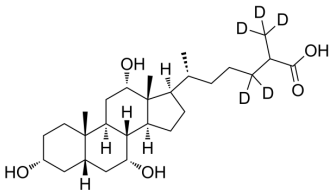
Trihydroxycholestanoic acid-d_5

Cat. No.:	HY-113335S1
CAS No.:	2936622-49-8
Molecular Formula:	$C_{27}H_{41}D_5O_5$
Molecular Weight:	455.68
Target:	Isotope-Labeled Compounds; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Trihydroxycholestanoic acid-d_5 (Coprocholic acid-d_5) is deuterium labeled Trihydroxycholestanoic acid. Trihydroxycholestanoic acid is an endogenous metabolite present in Blood that can be used for the research of Zellweger Syndrome, Refsum Disease, D Bifunctional Protein Deficiency and Infantile Refsum Disease[1][2][3][4][1][2][3][4][5].

REFERENCES

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

[2]. Lee N, et al. Endogenous toxic metabolites and implications in cancer therapy. Oncogene. 2020 Aug;39(35):5709-5720.

[3]. Baumgartner MR, et al. Clinical approach to inherited peroxisomal disorders: a series of 27 patients. Ann Neurol. 1998 Nov;44(5):720-30.

[4]. Poll-The BT, et al. Infantile Refsum's disease: biochemical findings suggesting multiple peroxisomal dysfunction. J Inherit Metab Dis. 1986;9(2):169-74.

[5]. Rizzo C, et al. Characteristic acylcarnitine profiles in inherited defects of peroxisome biogenesis: a novel tool for screening diagnosis using tandem mass spectrometry. Pediatr Res. 2003 Jun;53(6):1013-8.

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