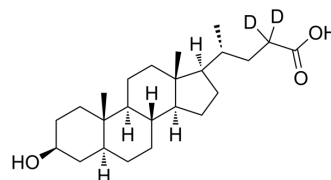


Isoallolithocholic acid-d₂

Cat. No.:	HY-B0172AS		
CAS No.:	2410277-69-7		
Molecular Formula:	C ₂₄ H ₃₈ D ₂ O ₃		
Molecular Weight:	378.58		
Target:	Autophagy; Apoptosis; Endogenous Metabolite; Isotope-Labeled Compounds		
Pathway:	Autophagy; Apoptosis; Metabolic Enzyme/Protease; Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Isoallolithocholic acid-d ₂ is the deuterium labeled Isoallolithocholic acid (HY-B0172A). Isoallolithocholic acid is a T cell regulator and enhances regulatory T cells (Tregs) differentiation[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]. Hang S, et al. Bile acid metabolites control TH17 and Treg cell differentiation. *Nature.* 2019 Dec;576(7785):143-148.

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

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