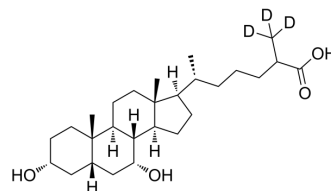


3 α ,7 α -Dihydroxycoprostanic acid-d₃

Cat. No.:	HY-113097S		
CAS No.:	338976-76-4		
Molecular Formula:	C ₂₇ H ₄₃ D ₃ O ₄		
Molecular Weight:	437.67		
Target:	Isotope-Labeled Compounds		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	3 α ,7 α -Dihydroxycoprostanic acid-d ₃ is the deuterium labeled 3 α ,7 α -Dihydroxycoprostanic acid (HY-113097) ^[1] . 3 α ,7 α -Dihydroxycoprostanic acid is an endogenous metabolite. 3 α ,7 α -Dihydroxycoprostanic acid, a bile acid, is the precursor to chenodeoxycholic acid ^[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 Feb;53(2):211-216.

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

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