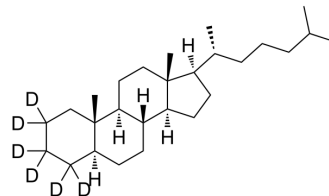


5 α -Cholestane-d₆

Cat. No.:	HY-133970S		
CAS No.:	358731-18-7		
Molecular Formula:	C ₂₇ H ₄₂ D ₆		
Molecular Weight:	378.71		
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



SOLVENT & SOLUBILITY

In Vitro

Ethanol : \geq 20 mg/mL (52.81 mM)
 DMF : \geq 1 mg/mL (2.64 mM)
 Ethanol:PBS (pH 7.2)(1:2) : \geq 0.3 mg/mL (0.79 mM)
 DMSO : \geq 0.1 mg/mL (0.26 mM)

* " \geq " means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.6405 mL	13.2027 mL	26.4054 mL
	5 mM		0.5281 mL	2.6405 mL	5.2811 mL
	10 mM		0.2641 mL	1.3203 mL	2.6405 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5 α -Cholestane-d₆ is the deuterium labeled 5 α -Cholestane[1].

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

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

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