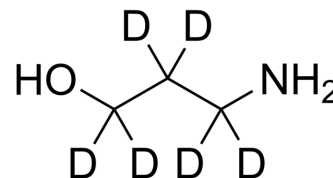


## 3-Aminopropan-1-ol-d<sub>6</sub>

<b>Cat. No.:</b>	HY-Y0139S		
<b>CAS No.:</b>	59720-07-9		
<b>Molecular Formula:</b>	C <sub>3</sub> H <sub>3</sub> D <sub>6</sub> NO		
<b>Molecular Weight:</b>	81.15		
<b>Target:</b>	Isotope-Labeled Compounds		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (1232.29 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	12.3229 mL	61.6143 mL	123.2286 mL
5 mM	2.4646 mL	12.3229 mL	24.6457 mL
10 mM	1.2323 mL	6.1614 mL	12.3229 mL

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

### BIOLOGICAL ACTIVITY

#### Description

3-Aminopropan-1-ol-d<sub>6</sub> is the deuterium labeled 3-Aminopropan-1-ol[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<sup>[1]</sup>.

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.

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

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