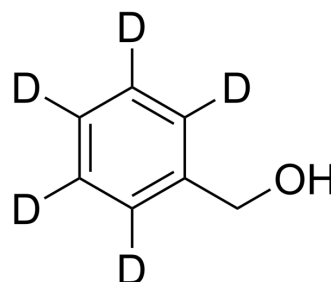


Benzyl alcohol-d₅

Cat. No.:	HY-B0892S2	
CAS No.:	68661-10-9	
Molecular Formula:	C ₇ H ₃ D ₅ O	
Molecular Weight:	113.17	
Target:	Endogenous Metabolite; Isotope-Labeled Compounds	
Pathway:	Metabolic Enzyme/Protease; Others	
Storage:	Pure form	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

Ethanol : ≥ 100 mg/mL (883.63 mM)
 H₂O : 20 mg/mL (176.73 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	8.8363 mL	44.1813 mL	88.3626 mL
	5 mM	1.7673 mL	8.8363 mL	17.6725 mL
	10 mM	0.8836 mL	4.4181 mL	8.8363 mL

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

BIOLOGICAL ACTIVITY

Description

Benzyl alcohol-d₅ is the deuterium labeled Benzyl alcohol. Benzyl alcohol is an aromatic alcohol; a colorless liquid with a mild pleasant aromatic odor.

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.

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

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