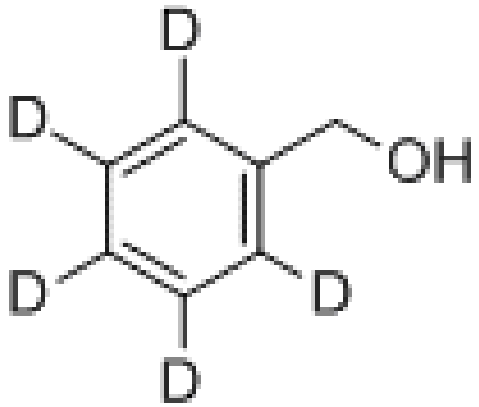
Product Data Sheet

Product Name: Benzyl-2，3，4，5，6-D5 Alcohol
Cat. No.: GF16108

Chemical Properties

Cas. No.	68661-10-9		
Formula	C7H3D5O	M.Wt	113.17
Solubility	Ethanol : ≥ 100 mg/mL (883.63 mM); H_2O : 20 mg/mL (176.73 mM; Need ultrasonic)	Storage	2-8°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

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

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].

Caution: Product has not been fully validated for medical applications. For research use only.
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[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

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