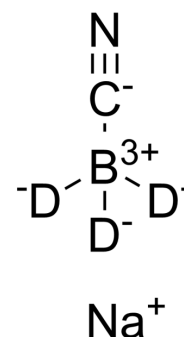


Sodium cyanoboronhydride-d₃

Cat. No.:	HY-Y0534S		
CAS No.:	25895-62-9		
Molecular Formula:	CD ₃ BNNa		
Molecular Weight:	65.86		
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

H₂O : 100 mg/mL (1518.37 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	15.1837 mL	75.9186 mL	151.8372 mL
5 mM	3.0367 mL	15.1837 mL	30.3674 mL
10 mM	1.5184 mL	7.5919 mL	15.1837 mL

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

BIOLOGICAL ACTIVITY

Description

Sodium cyanoboronhydride-d₃ is the deuterium labeled Sodium cyanoboronhydride[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

[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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