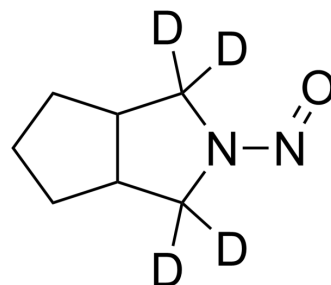


N-Nitroso-3-azabicyclo[3.3.0]octane-d₄

Cat. No.:	HY-143812S		
CAS No.:	1346604-35-0		
Molecular Formula:	C ₇ H ₈ D ₄ N ₂ O		
Molecular Weight:	144.21		
Target:	Isotope-Labeled Compounds		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (693.43 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		6.9343 mL	34.6717 mL	69.3433 mL
	5 mM		1.3869 mL	6.9343 mL	13.8687 mL
	10 mM		0.6934 mL	3.4672 mL	6.9343 mL

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

BIOLOGICAL ACTIVITY

Description

N-Nitroso-3-azabicyclo[3.3.0]octane-d₄ is the deuterium labeled N-Nitroso-3-azabicyclo[3.3.0]octane[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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