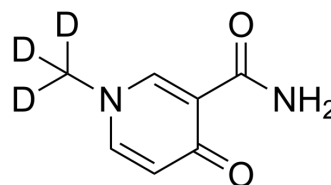


N-Methyl-4-pyridone-3-carboxamide-d₃

Cat. No.:	HY-113472S
CAS No.:	1207384-47-1
Molecular Formula:	C ₇ H ₃ D ₃ N ₂ O ₂
Molecular Weight:	155.17
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (644.45 mM; ultrasonic and warming and heat to 160°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	6.4445 mL	32.2227 mL	64.4454 mL
5 mM	1.2889 mL	6.4445 mL	12.8891 mL
10 mM	0.6445 mL	3.2223 mL	6.4445 mL

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

BIOLOGICAL ACTIVITY

Description

N-Methyl-4-pyridone-3-carboxamide-d₃ is deuterium labeled N-Methyl-4-pyridone-3-carboxamide.

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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