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Produktinformation



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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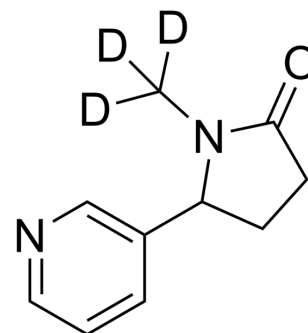
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(Rac)-Cotinine-d₃

Cat. No.:	HY-B1178S	
CAS No.:	110952-70-0	
Molecular Formula:	C ₁₀ H ₉ D ₃ N ₂ O	
Molecular Weight:	179.23	
Target:	Endogenous Metabolite; Isotope-Labeled Compounds	
Pathway:	Metabolic Enzyme/Protease; 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

Ethanol : ≥ 30 mg/mL (167.38 mM)
 DMF : ≥ 30 mg/mL (167.38 mM)
 DMSO : ≥ 30 mg/mL (167.38 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		5.5794 mL	27.8971 mL	55.7942 mL
	5 mM		1.1159 mL	5.5794 mL	11.1588 mL
	10 mM		0.5579 mL	2.7897 mL	5.5794 mL

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

BIOLOGICAL ACTIVITY

Description

(Rac)-Cotinine-d₃ is the deuterium labeled (Rac)-Cotinine[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;53(2):211-216.

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

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