



CERTIFICATE OF ANALYSIS

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1. Identification

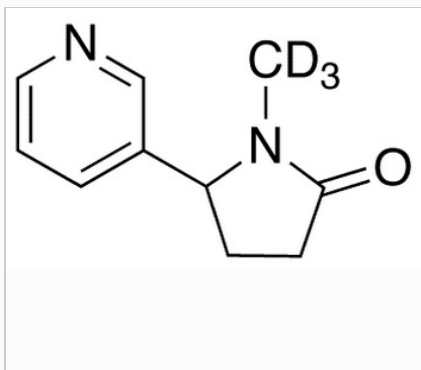
Catalogue Number: C725005

CAS Number: 110952-70-0

Product: rac-Cotinine-d3

Synonym: (+/-)-1-(Methyl-d3)-5-(2-pyridinyl)-2-pyrrolidinone; (+/-)-Cotinine-d3;

Structure:



Molecular Formula:

C₁₀H₉D₃N₂O

Molecular weight:

179.23

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 4-NVG-185-2

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Off-White to Brown Semi-Solid to Low-Melting Solid	Off-White Low-Melting Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 66.72, %H: 6.69, %N: 15.48
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	100.00% (260 nm)
Isotopic Purity	>95%	>99.9% (d0 = 0.00%)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Hanxiang Li	Toni Rantanen	Chanell Chu	6/3/2021	6/1/2025