

Certificate of Analysis

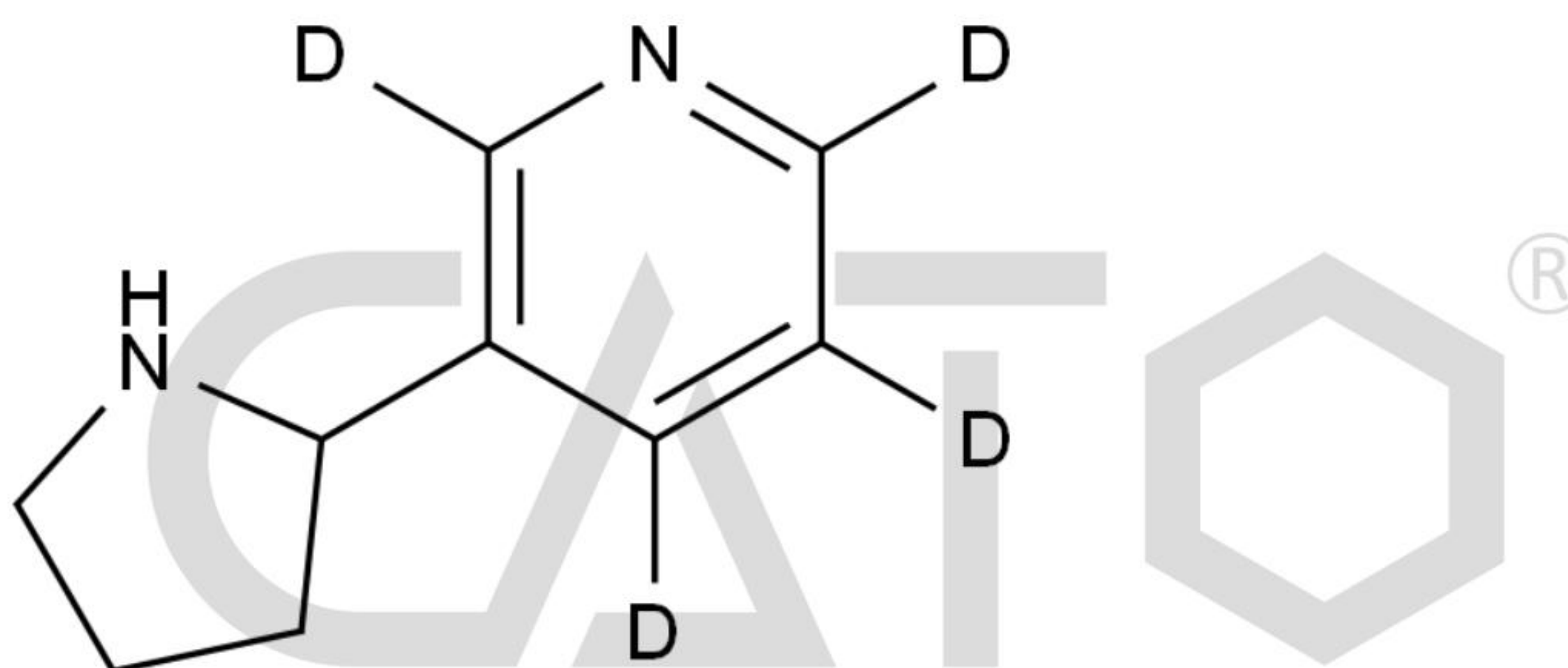
Reference Material & Standard

Product Name:	(R,S)-Nornicotine-d4 (pyridine-d4)	Catalogue Number:	CCHM703322
Synonyms:	N/A	Lot Number:	0707-RG-0076
CAS Number:	66148-18-3	Expiry Date:	Sep 23, 2027
Molecular Formula:	C ₉ H ₈ D ₄ N ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	152.23	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Oil
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.8%
Isotopic Purity		97.8%
Uncertainty		±0.1%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Mar 30, 2026

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