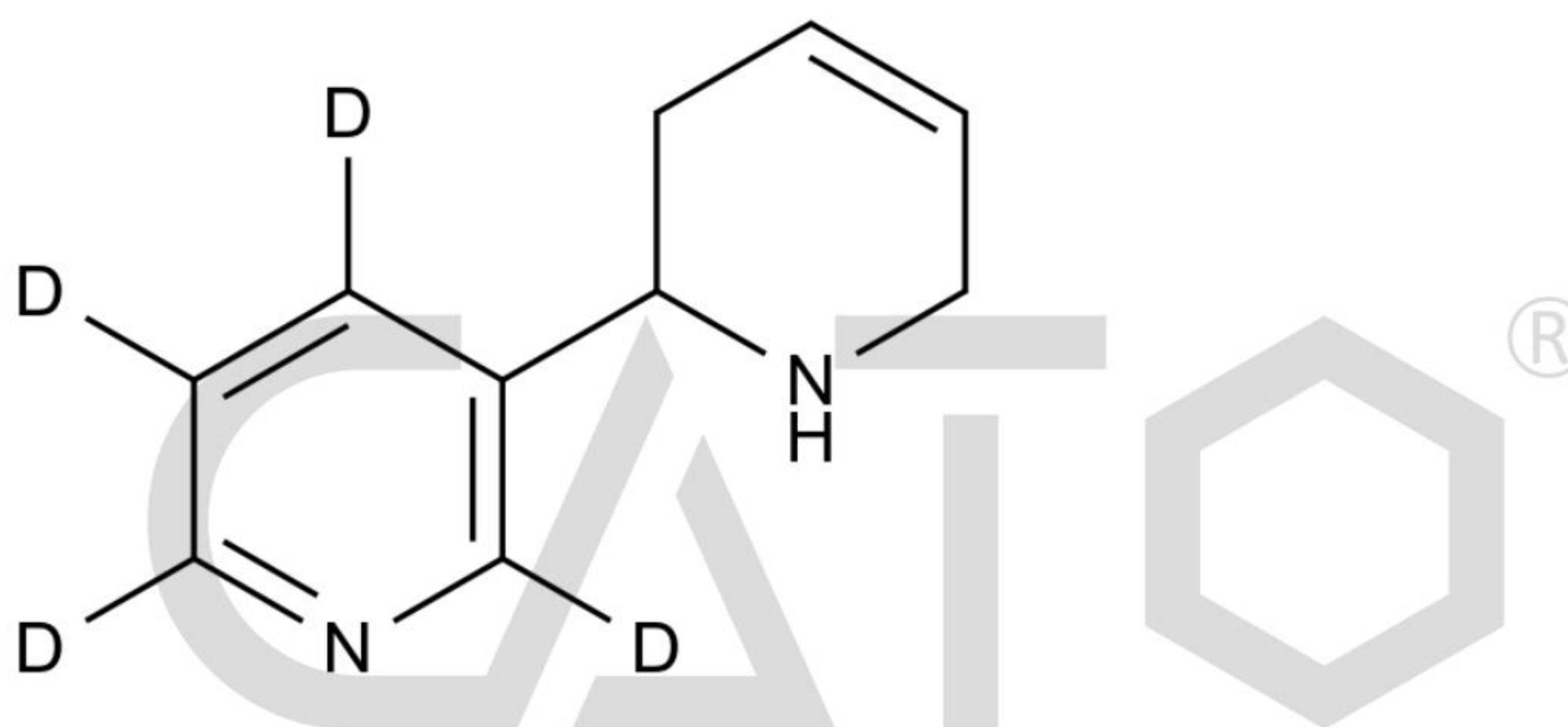


Certificate of Analysis

Reference Material & Standard

Product Name:	(R,S)-Anatabine-2,4,5,6-d4	Catalogue Number:	CCPD103583
Synonyms:	N/A	Lot Number:	0528-RH-0036
CAS Number:	1020719-11-2	Expiry Date:	Jan 29, 2029
Molecular Formula:	C ₁₀ H ₈ D ₄ N ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	164.24	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Oil
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.9%
Isotopic Purity		98.81%(D4:95.25%; D3:4.75%)
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: May 28, 2026

Date: May 29, 2026

Date: May 29, 2026



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