

Certificate of Analysis

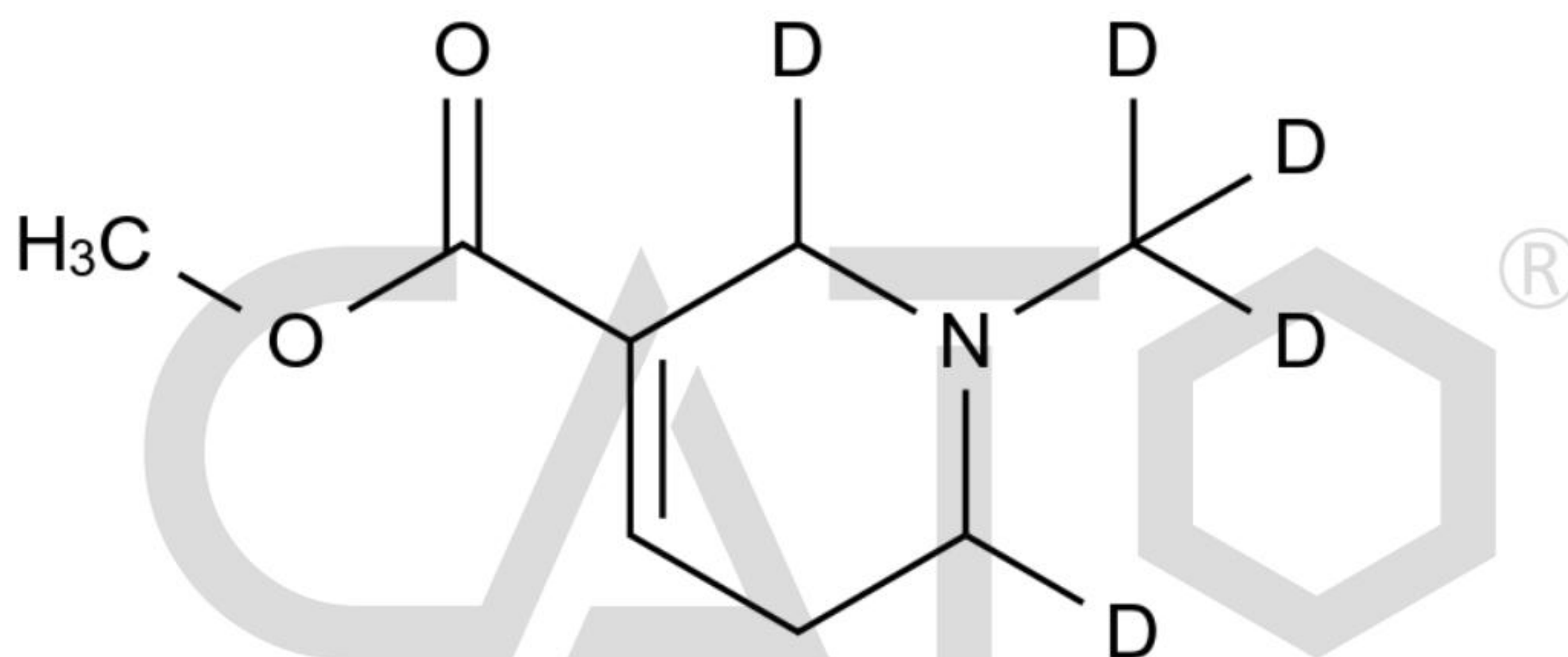
Reference Material & Standard

Product Name:	Arecoline-d5 Hydrobromide Salt	Catalogue Number:	C1211833
Synonyms:	N/A	Lot Number:	0919-RG-0066
CAS Number:	131448-18-5	Expiry Date:	Jan 17, 2028
Molecular Formula:	C ₈ H ₈ D ₅ NO ₂ HBr	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	160.23 80.91		

Warning:



Chemical Structure:



HBr

Test Items	Method	Results
Appearance	Visual inspection	Pale Beige Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.8%
Isotopic Purity		98.8%
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:

Hinlam

Approved by General Manager:

David

Date: Sep 22, 2025

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