

Certificate of Analysis

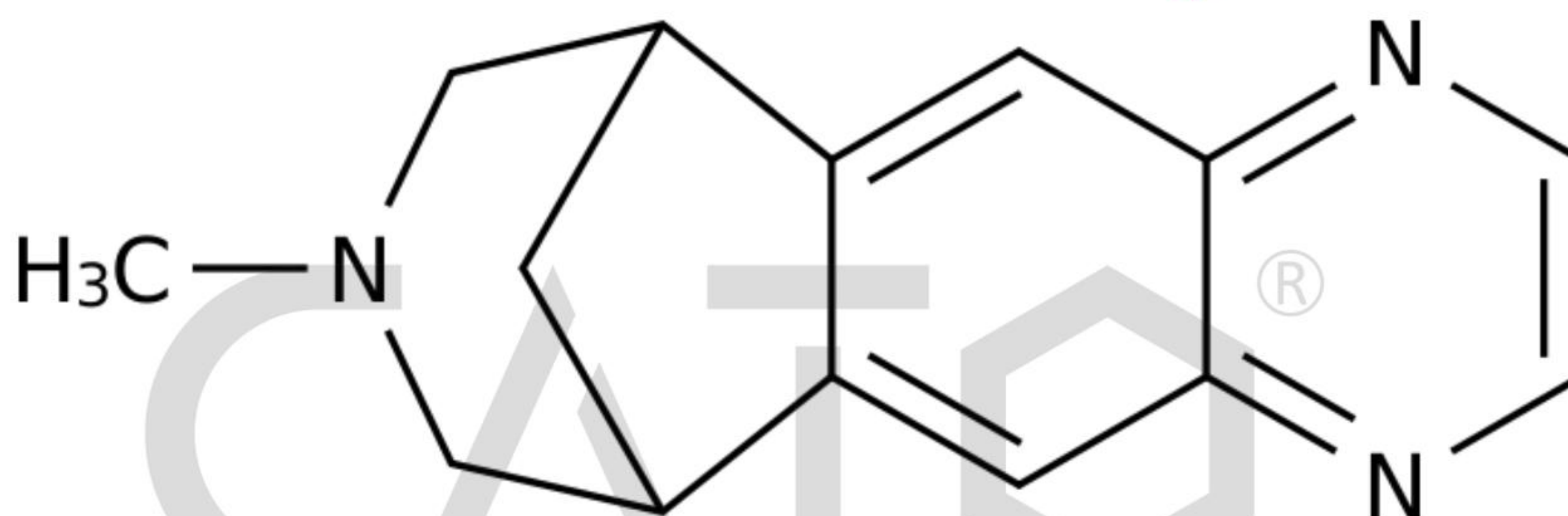
Reference Material & Standard

Product Name:	Varenicline Impurity 21	Catalogue Number:	C4X-196221
Synonyms:	N/A	Lot Number:	0323-RH-0100
CAS Number:	328055-92-1	Expiry Date:	Sep 01, 2028
Molecular Formula:	C ₁₄ H ₁₅ N ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	225.29	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.947%
Loss on Drying	TGA	0.4929%
Assay		96.5%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Mar 25, 2026

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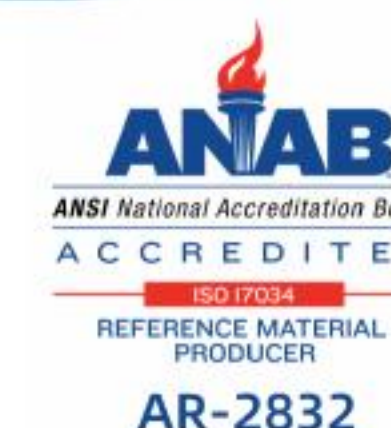
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