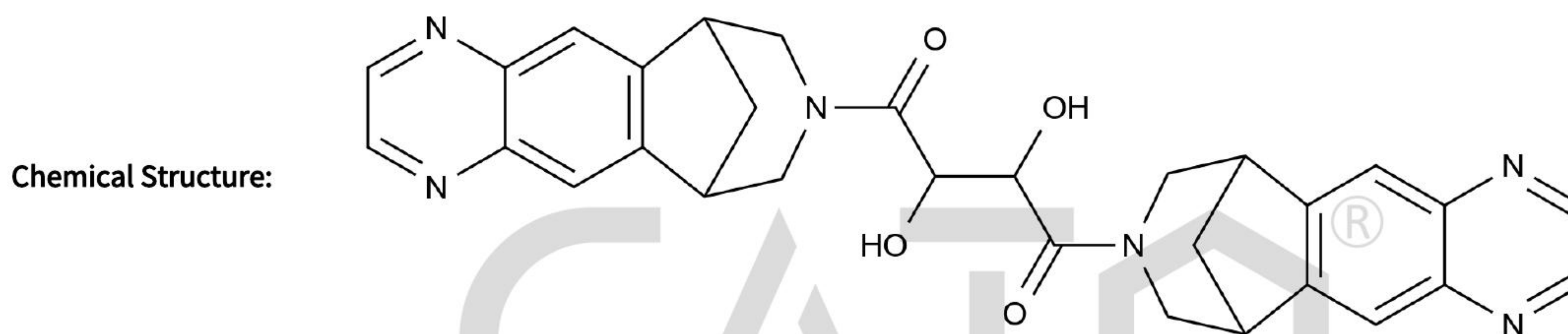


Certificate of Analysis

Reference Material & Standard

Product Name:	Varenicline Impurity 67	Catalogue Number:	C4X-196267
Synonyms:	N/A	Lot Number:	0330-RH-0062
CAS Number:	N/A	Expiry Date:	Nov 04, 2029
Molecular Formula:	C ₃₀ H ₂₈ N ₆ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	536.58	Shipping Condition:	Shipping with Ice Packs



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.264%
Loss on Drying	TGA	2.8798%
Assay		96.4%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$

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: Apr 02, 2026

Date: Apr 03, 2026

Date: Apr 03, 2026



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