

Certificate of Analysis

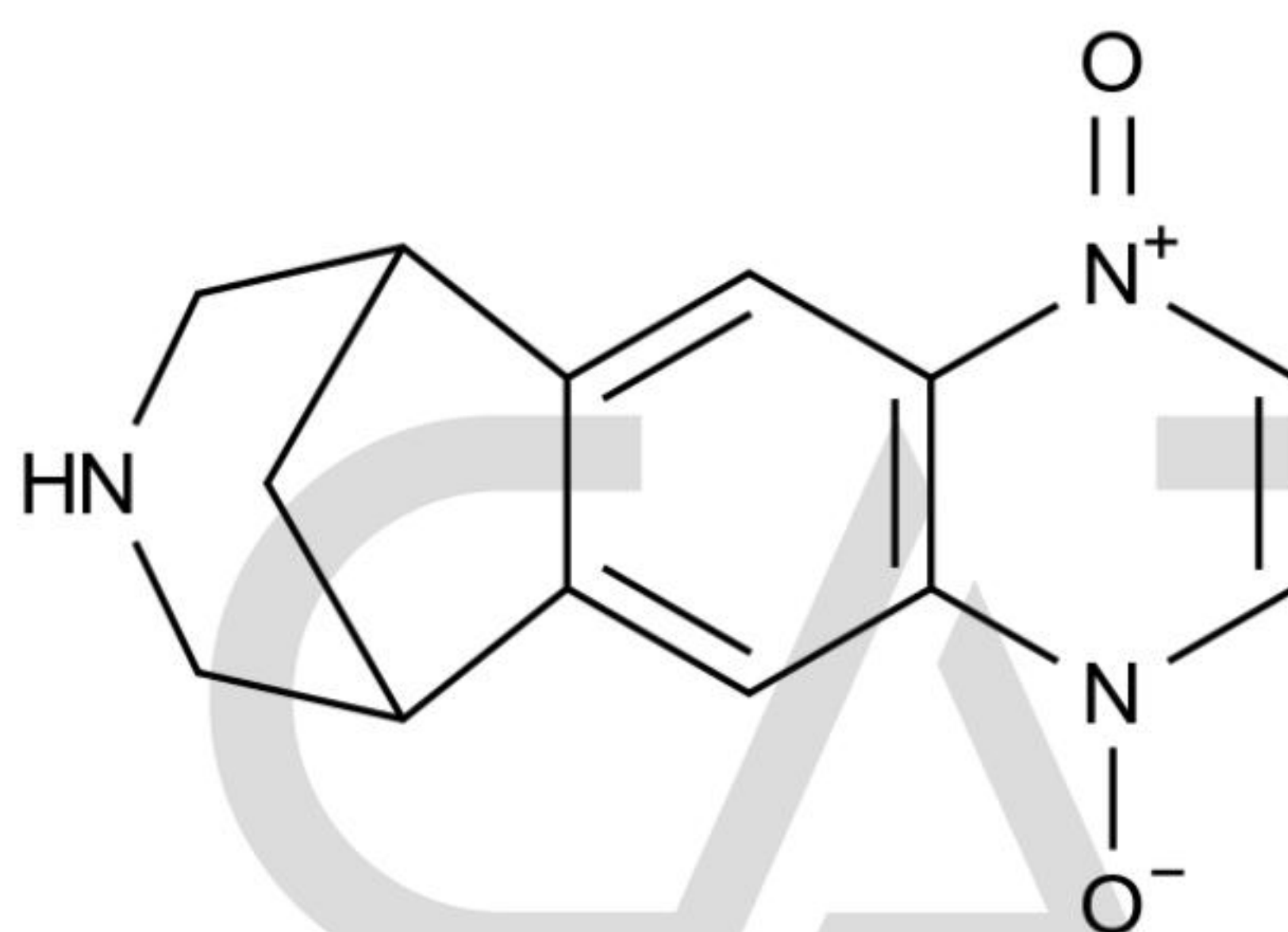
Reference Material & Standard

Product Name:	Varenicline Impurity 16	Catalogue Number:	C4X-196216
Synonyms:	N/A	Lot Number:	0928-RG-0092
CAS Number:	1337563-47-9	Expiry Date:	Oct 13, 2029
Molecular Formula:	C ₁₃ H ₁₃ N ₃ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	243.26	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Orange Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.142%
Loss on Drying	TGA	0.98%
Assay		96.2%

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:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Oct 22, 2025

Date: Oct 23, 2025

Date: Oct 23, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: https://www.cato-chem.com

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