

Certificate of Analysis

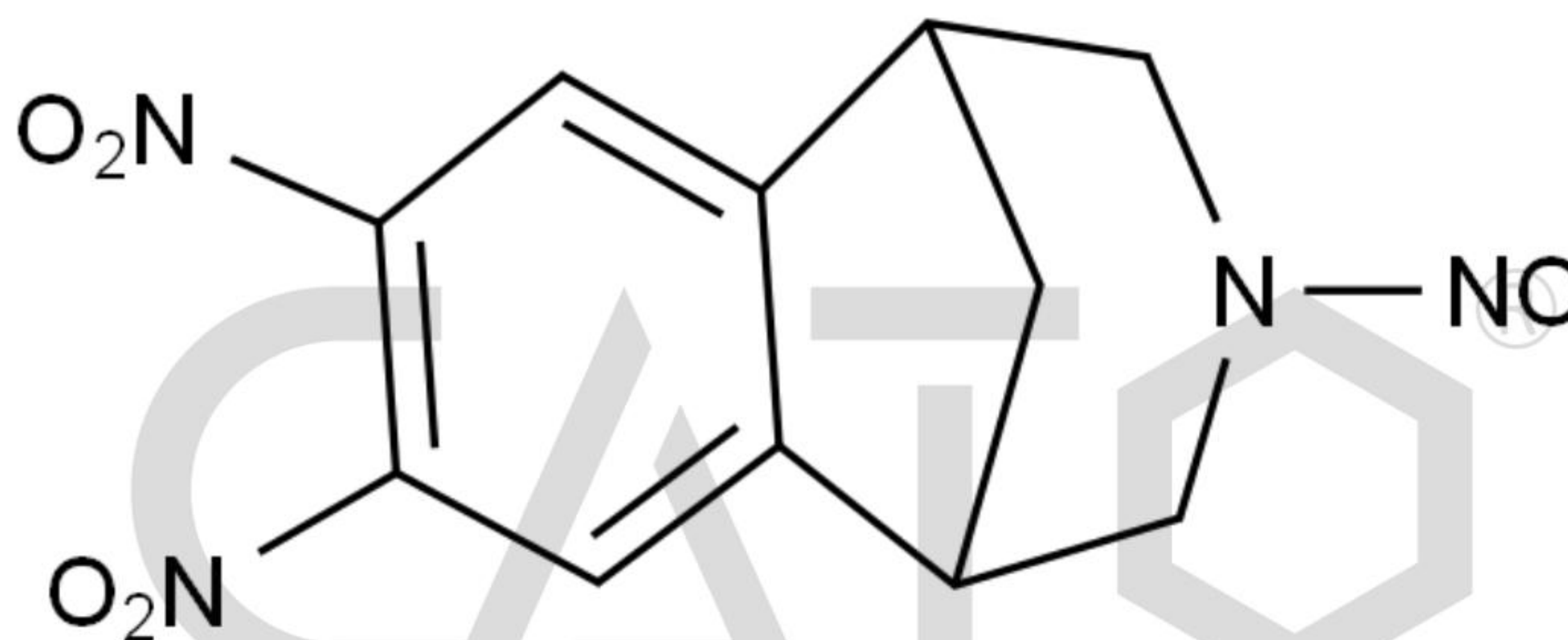
Reference Material & Standard

Product Name:	Varenicline Impurity 12	Catalogue Number:	C4X-196212
Synonyms:	N/A	Lot Number:	1112-RG-0056
CAS Number:	N/A	Expiry Date:	Oct 28, 2029
Molecular Formula:	C ₁₁ H ₁₀ N ₄ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	278.22	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	93.85%
Loss on Drying	TGA	0.110%
Assay		93.7%

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:

Hin Lam

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 15, 2025

Date: Nov 17, 2025

Date: Nov 17, 2025



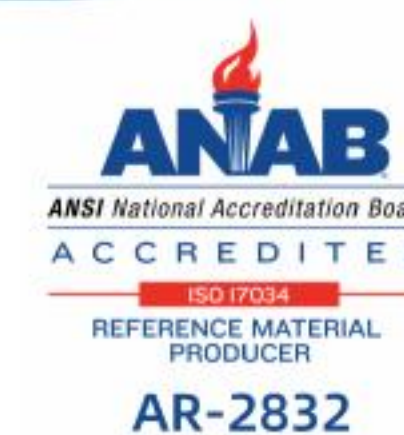
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

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

Page 1 of 7



Official WeChat