

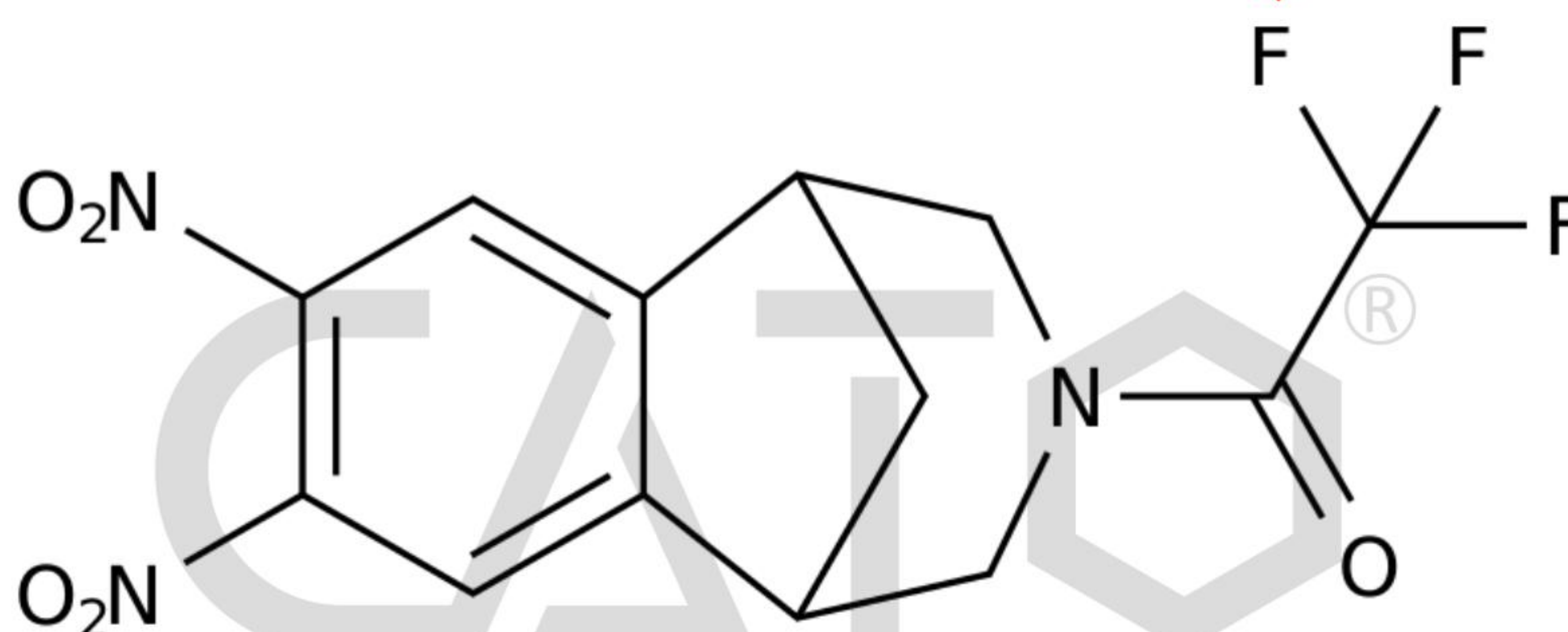
Certificate of Analysis

Reference Material & Standard

Product Name:	Varenicline Impurity 20	Catalogue Number:	C4X-196220
Synonyms:	N/A	Lot Number:	0330-RH-0183
CAS Number:	230615-59-5	Expiry Date:	Apr 01, 2030
Molecular Formula:	C ₁₃ H ₁₀ F ₃ N ₃ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	345.23	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&FNMR&HNMR	Confirmed
Purity	HPLC	99.784%
Loss on Drying	TGA	0.0774%
Assay		99.7%

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:

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Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 02, 2026

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