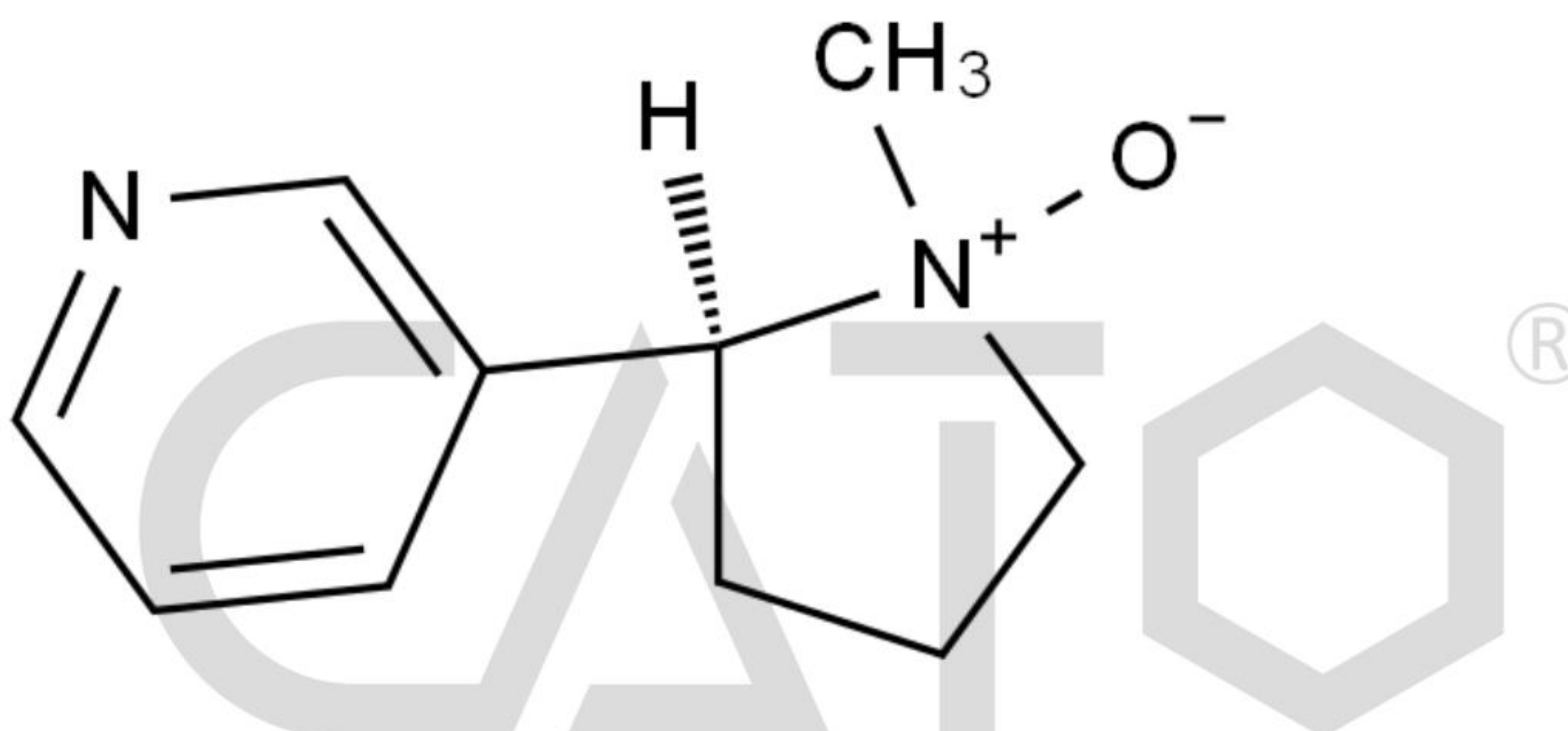


Certificate of Analysis

Reference Material & Standard

Product Name:	Nicotine EP Impurity E (Mixture of Diastereomers)	Catalogue Number:	CP138138
Synonyms:	N/A	Lot Number:	1216-RF-0025
CAS Number:	491-26-9	Expiry Date:	Dec 22, 2027
Molecular Formula:	C10H14N2O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	178.24	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Sticky Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.834%
Loss On Drying	TGA	5.4768%
Assay		94.4%

Comment:

The calculation of the 100% 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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Dec 23, 2024

Date: Dec 23, 2024

Date: Dec 23, 2024

