

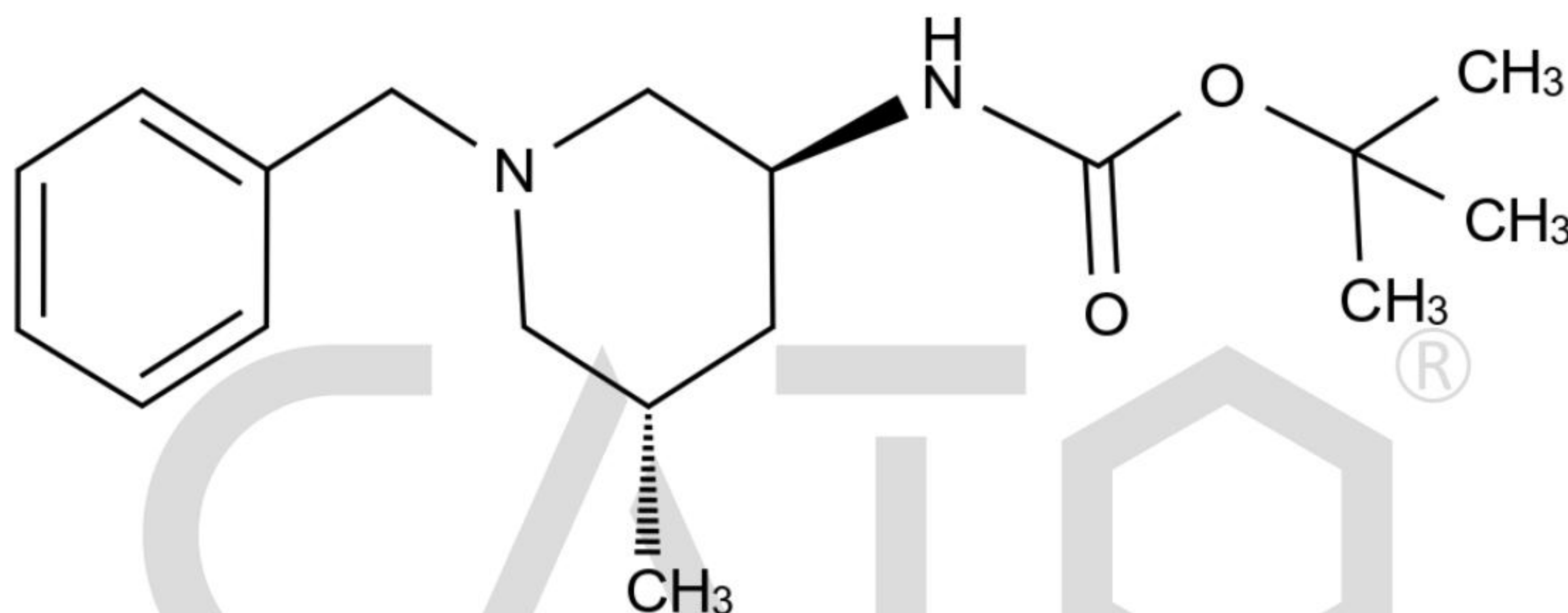
Certificate of Analysis

Reference Material & Standard

Product Name:	Nemonoxacin Impurity 28	Catalogue Number:	C4X-312828
Synonyms:	N/A	Lot Number:	0909-RF-0066
CAS Number:	951163-63-6	Expiry Date:	Sep 08, 2027
Molecular Formula:	C ₁₈ H ₂₈ N ₂ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	304.43	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.343%
Residue on Ignition	TGA	0.1499%
Loss On Drying	TGA	0.2256%
Assay		99.0%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

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Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 10, 2024

Date: Sep 10, 2024

Date: Sep 10, 2024

