

Certificate of Analysis

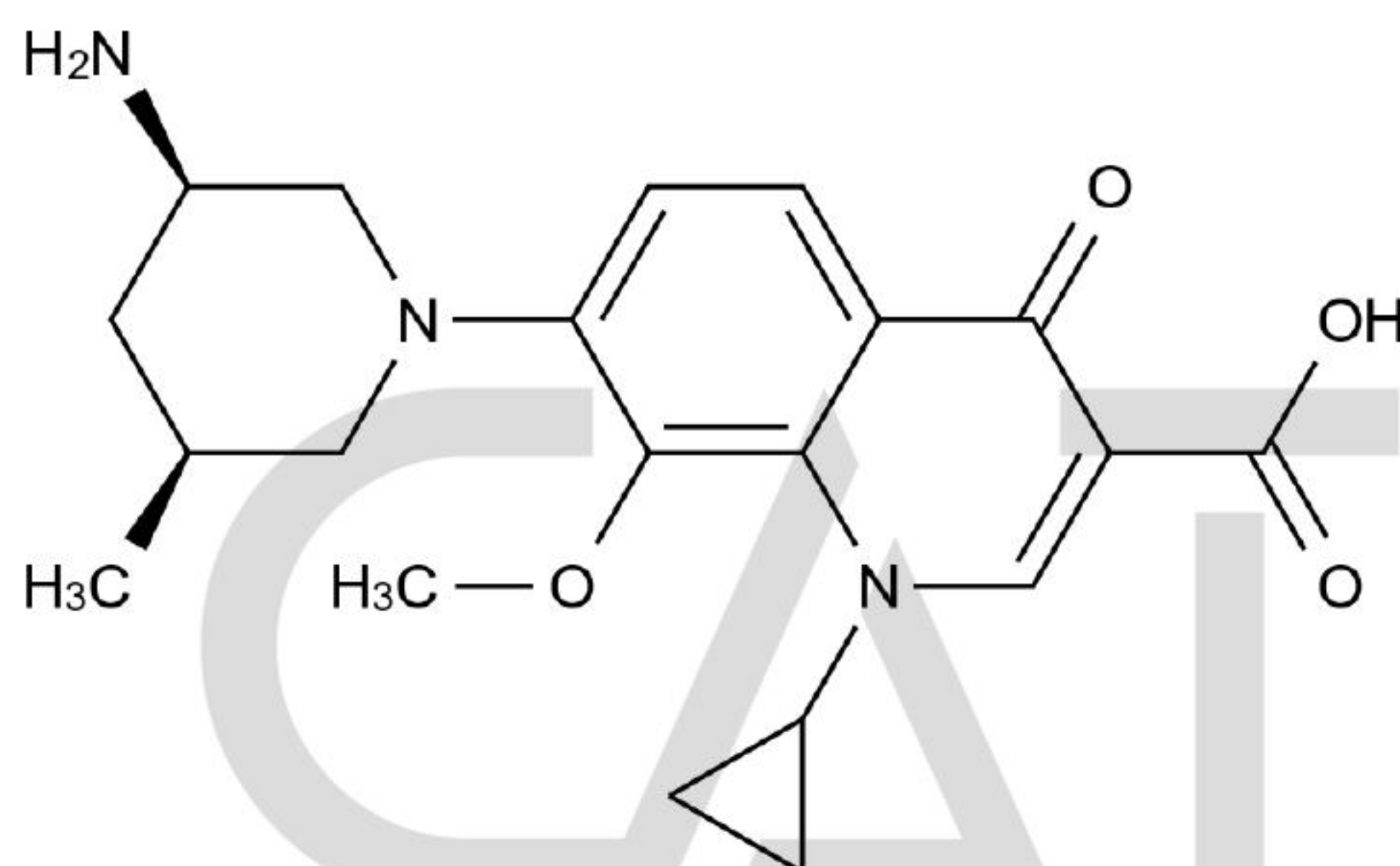
Reference Material & Standard

Product Name:	Nemonoxacin Impurity 9	Catalogue Number:	C4X-31289
Synonyms:	N/A	Lot Number:	0827-RH-0116
CAS Number:	N/A	Expiry Date:	Aug 26, 2030
Molecular Formula:	C ₂₀ H ₂₅ N ₃ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	371.43	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.401%
Residue on Ignition	TGA	3.0505%
Loss on Drying	TGA	2.0148%
Assay		93.4%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$

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

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 02, 2026

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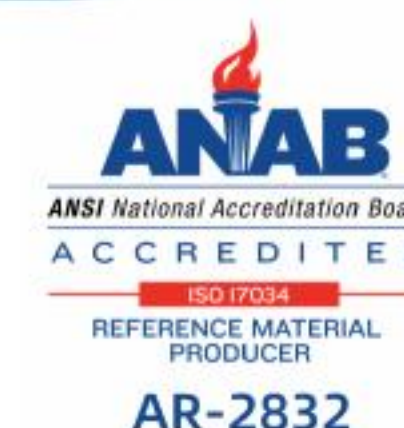
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