

Certificate of Analysis

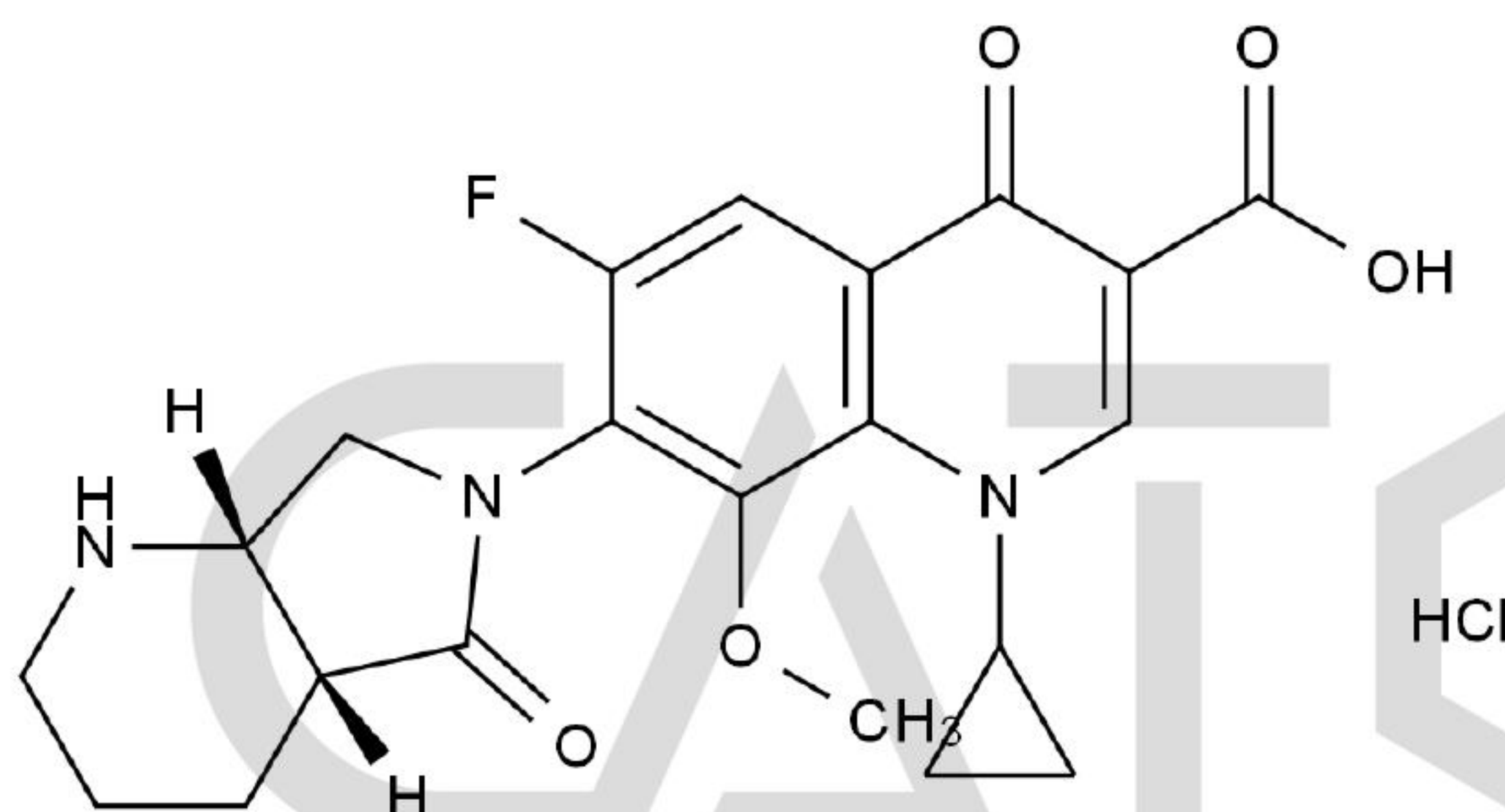
Reference Material & Standard

Product Name:	Moxifloxacin Impurity 58	Catalogue Number:	C4X-107458
Synonyms:	N/A	Lot Number:	0920-RH-0063
CAS Number:	N/A	Expiry Date:	Oct 23, 2028
Molecular Formula:	C ₂₁ H ₂₂ FN ₃ O ₅ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	415.41 36.46	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&CNMR&HNMR	Confirmed
Purity	HPLC	98.544%
Water Content	Karl Fischer	0.33%
Residual Solvents	NMR	Not detected in NMR
Assay		98.2%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Sep 20, 2026

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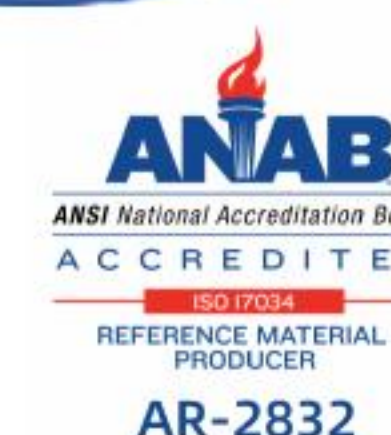
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Page 1 of 7



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