

Certificate of Analysis

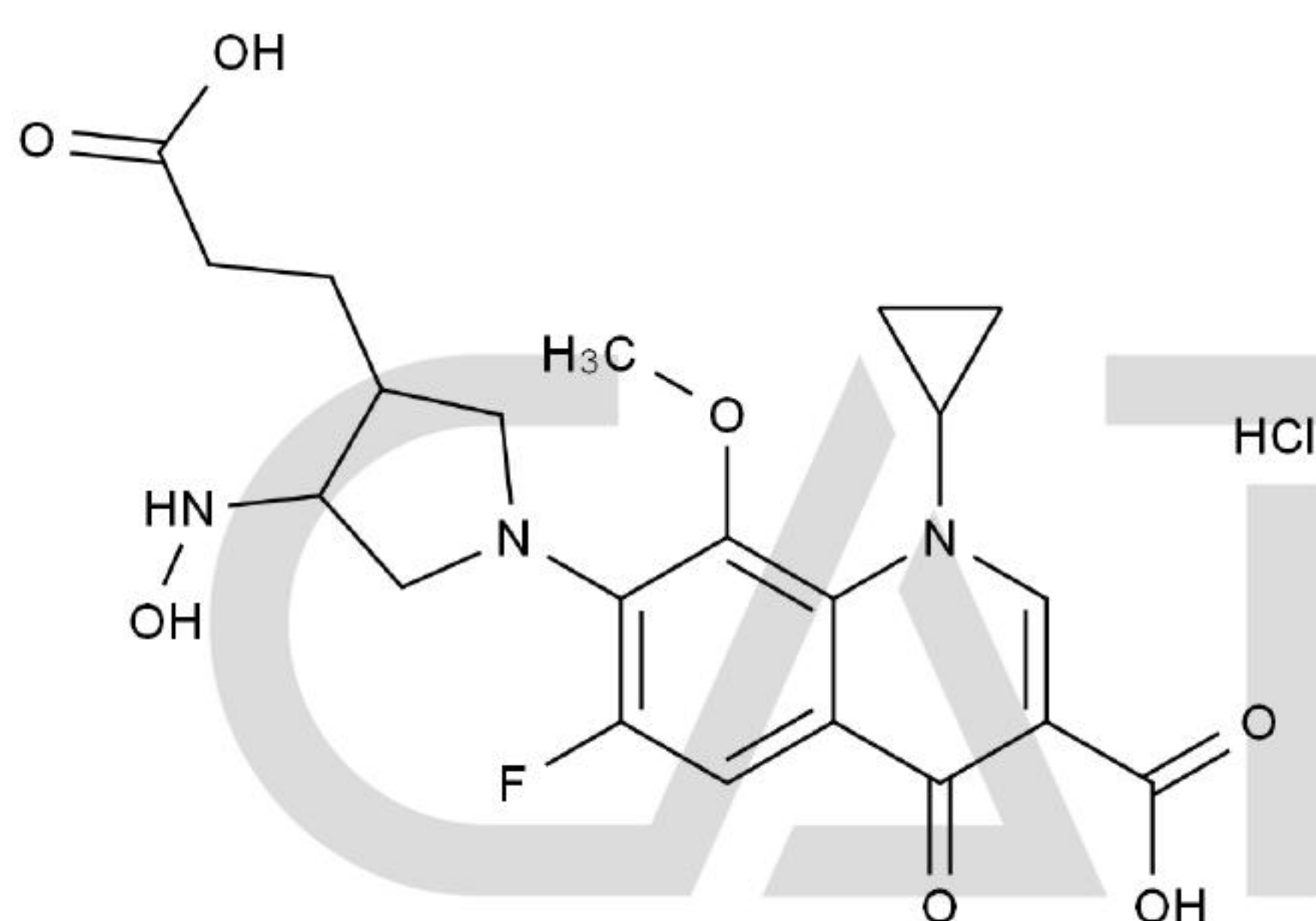
Reference Material & Standard

Product Name:	Moxifloxacin Impurity 36	Catalogue Number:	C4X-107436
Synonyms:	N/A	Lot Number:	0316-RH-0057
CAS Number:	1395056-42-4(free base)	Expiry Date:	Nov 13, 2029
Molecular Formula:	C ₂₁ H ₂₄ FN ₃ O ₇ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	449.43 36.46		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	96.271%
Water Content	Karl Fischer	3.60%
Residual Solvents	NMR	1.50% acetonitrile
Assay		91.4%

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:

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Date: Mar 16, 2026

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