

Certificate of Analysis

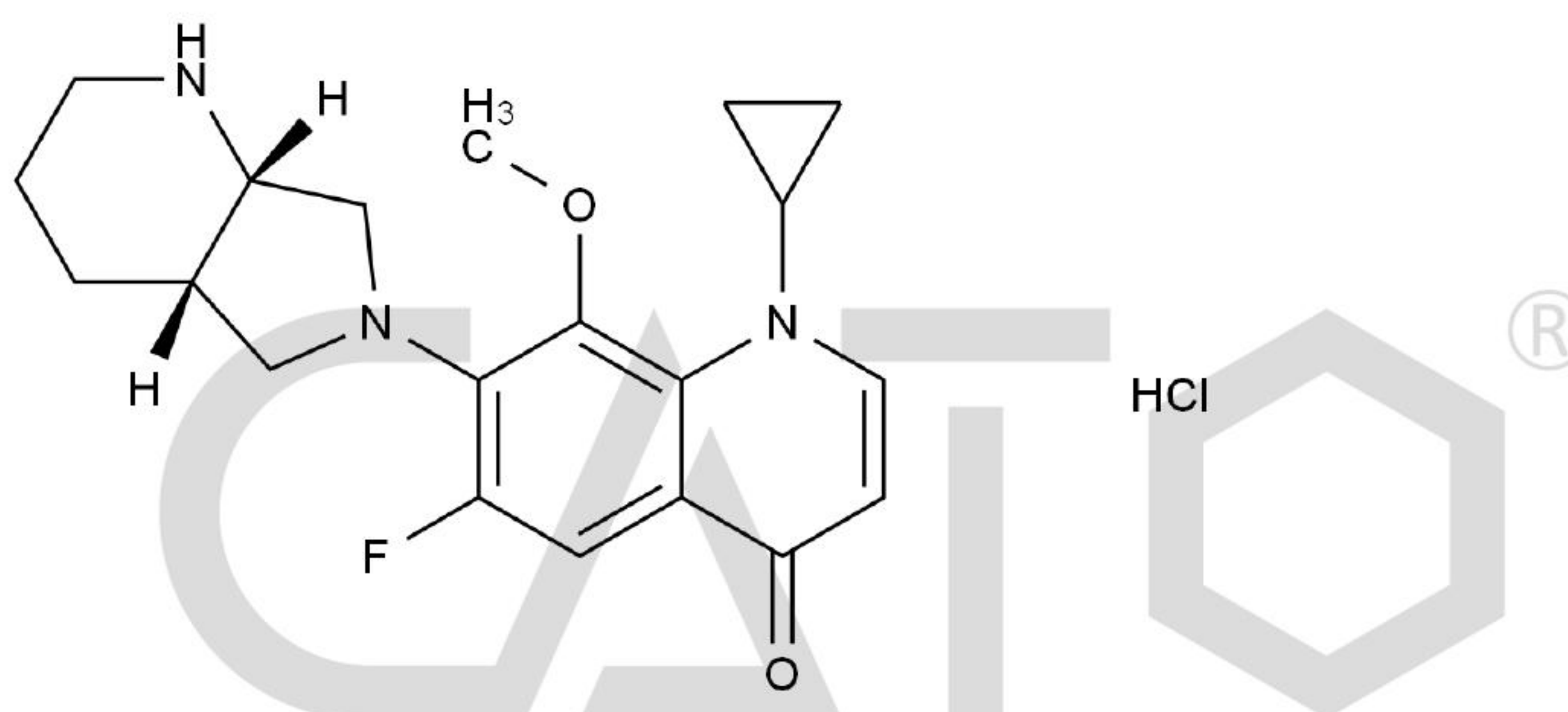
Reference Material & Standard

Product Name:	Moxifloxacin Impurity 2 HCl	Catalogue Number:	C4X-107421
Synonyms:	N/A	Lot Number:	0424-RH-0014
CAS Number:	2664848-61-5	Expiry Date:	Jan 25, 2030
Molecular Formula:	C ₂₀ H ₂₄ FN ₃ O ₂ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	357.42 36.46	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.751%
Water Content	Karl Fischer	1.36%
Residual Solvents	NMR	1.14% ethyl acetate and 0.45% dichloromethane
Assay		96.8%

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: Apr 24, 2026

Date: Apr 25, 2026

Date: Apr 25, 2026



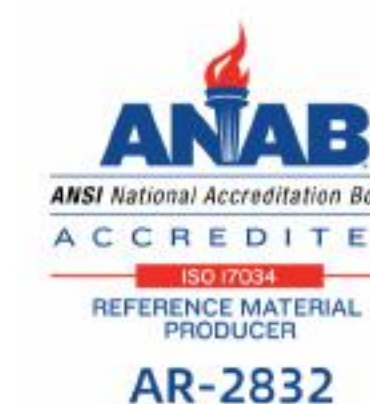
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