

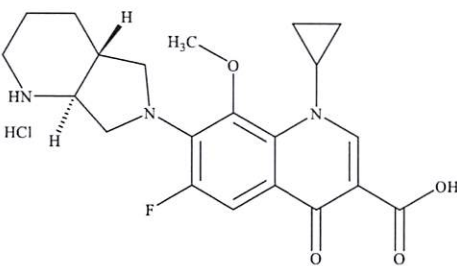
Certificate of Analysis

Certificate No.: **20260609004**



Date: June 9, 2026

Retest date: June 4, 2029

Compound Name: (4R,7S)-Moxifloxacin HCl	
Synonyms:	1-cyclopropyl-6-fluoro-8-methoxy-7-((4aR,7aS)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid, hydrochloride (1:1)
TLC Catalogue Number:	M-2724
CAS Number:	N/A
Alternate CAS Number:	855661-71-1 (free base)
Molecular Weight:	401.44 36.46
Molecular Formula:	C ₂₁ H ₂₄ FN ₃ O ₄ · HCl
Source:	TLC Pharmaceutical Standards
Source Lot No.:	7483-017A2
Storage Conditions:	Hygroscopic, store at 2-8 °C
Solubility:	Methanol, DMSO, Acetonitrile



Test Description	Specifications	Results
Visual Description	Yellow solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.9%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	4.6%
Optical Rotation	N/A	[α] _D ^{25.0} (c=0.60, CH ₃ OH): +214.8°
Residual Solvents (NMR)	0.1% methanol	
Assay (%)	Not less than 90.0%	95.2%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/09/2026
Approved by:	Quality Assurance		06/09/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.