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CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2025

Re-test Date: May 2027

Product Name: Moxifloxacin EP Impurity A

Identification:

Chemical Name: 1-cyclopropyl-6,8-difluoro-7-((4aS,7aS)-hexahydro-1H-pyrrolo[3,4-b]pyridin-6(2H)-yl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

Synonyms : Moxifloxacin USP Related
Compound A ; 8-Desmethoxy-8-Fluoro Moxifloxacin ;
Moxifloxacin Difluoro Analog

CAS Number : 151213-15-9

CAT Number : CP-M26001

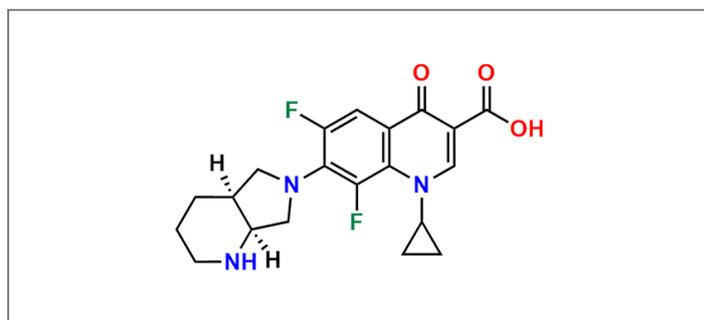
Molecular Formula : C₂₀H₂₁F₂N₃O₃

Molecular Weight : 389.40

Batch Number : CP-MOX-A-0723

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.11%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	IR	Confirm to Structure



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.