

CERTIFICATE OF ANALYSIS

(Certificate No. KMM171021-02)

Release Date: 16/04/2025

Re-test Date: 15/04/2028

Moxifloxacin EP Impurity G

Identification

Chemical Name :

1-Cyclopropyl-6-fluoro-8-methoxy-7-[(4aR,7aR)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

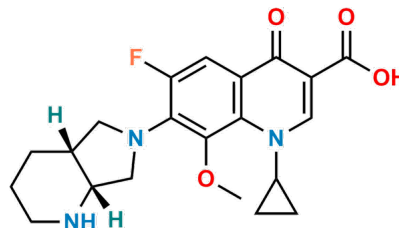
Alt. Name : Moxifloxacin USP Related Compound G ; d-Moxifloxacin

CAT No. : KMM171021

CAS No. : 268545-13-7

Molecular Formula : C₂₁H₂₄FN₃O₄

Molecular Weight : 401.4



Analytical Information

Batch No. : M171021-091-335

Description : Light Yellow Solid

HPLC Purity : 98.78 %

Weight Loss By TGA : 1.29 %

% Potency : 97.51 %

Solubility : Water

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 1.29(Weight Loss By TGA)] x [98.78(HPLC Purity)]/100 = 97.51 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		21/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		21/04/2025

Attachments : COA, HPLC, MASS, ¹HNMR, IR and TGA