

CERTIFICATE OF ANALYSIS

(Certificate No. KMM171021-03)

Release Date: 09/01/2026

Re-test Date: 08/01/2029

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

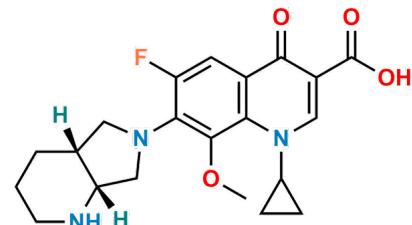
Alt. Name : Moxifloxacin USP Related Compound G ; d-Moxifloxacin

CAT No. : KMM171021

CAS No. : 268545-13-7

Molecular Formula : C₂₁H₂₄FN₃O₄

Molecular Weight : 401.4



Analytical Information

Batch No. : M171021-114-086

Solubility : Water

Description : Light Yellow Solid

Mass : Confirm

HPLC Purity : 97.35 %

IR : Confirm

Weight Loss By TGA : 2.86 %

1H NMR : Confirm

% Potency : 94.57 %

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 - 2.86(Weight Loss By TGA)] x [97.35(HPLC Purity)]/100 = 94.57 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		09/01/2026

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