

CERTIFICATE OF ANALYSIS

(Certificate No. KMM171021-01)

Release Date: 04/12/2024

Re-test Date: 03/12/2027

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

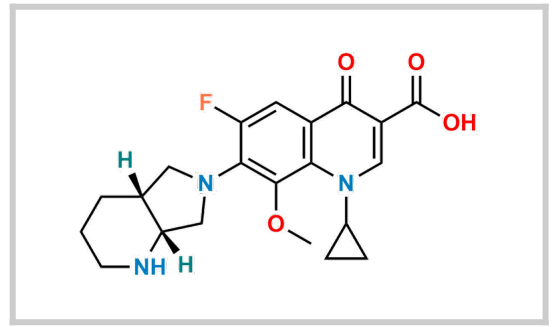
Alt. Name : Moxifloxacin USP Related Compound G ; d-Moxifloxacin

CAT No. : KMM171021

CAS No. : 268545-13-7

Molecular Formula : C₂₁H₂₄FN₃O₄

Molecular Weight : 401.4



Analytical Information

Batch No. : M171021-091-054

Description : Light Yellow Solid

HPLC Purity : 97.51 %

Weight Loss By TGA : 2.07 %

% Potency : 95.49 %

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 - 2.07(Weight Loss By TGA)] x [97.51(HPLC Purity)]/100 = 95.49 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		04/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		04/12/2024

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