

CERTIFICATE OF ANALYSIS

(Certificate No. KMM171016-01)

Release Date: 22/04/2025

Re-test Date: 21/04/2028

Moxifloxacin EP Impurity B

Identification

Chemical Name :

1-cyclopropyl-6,8-dimethoxy-7-[(4aS,7aS)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

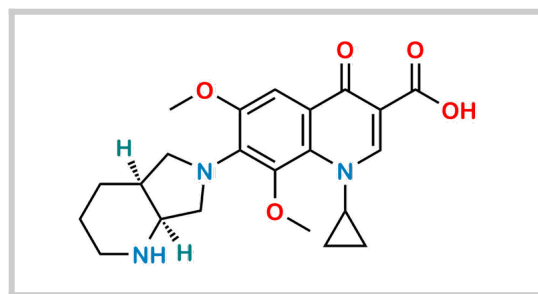
Alt. Name : Moxifloxacin Dimethoxy Analog

CAT No. : KMM171016

CAS No. : 1029364-73-5

Molecular Formula : C₂₂H₂₇N₃O₅

Molecular Weight : 413.5



Analytical Information

Batch No. : M171016-091-353

Description : Yellow Solid

HPLC Purity : 95.58 %

Weight Loss By TGA : 0.89 %

% Potency : 94.73 %

Solubility : Methanol

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 - 0.89(Weight Loss By TGA)] x [95.58(HPLC Purity)]/100 = 94.73 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		22/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		22/04/2025

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