

CERTIFICATE OF ANALYSIS

(Certificate No. KMM171016-02)

Release Date: 05/02/2026

Re-test Date: 04/02/2029

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

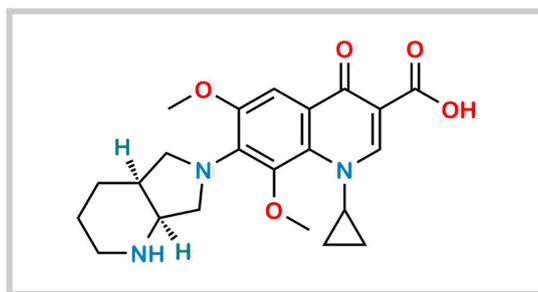
Alt. Name : Moxifloxacin Dimethoxy Analog

CAT No. : KMM171016

CAS No. : 1029364-73-5

Molecular Formula : C₂₂H₂₇N₃O₅

Molecular Weight : 413.5



Analytical Information

Batch No. : M171016-114-060

Description : Yellow Solid

HPLC Purity : 93.79 %

Weight Loss By TGA : 2.20 %

% Potency : 91.73 %

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 = $[100 - 2.20(\text{Weight Loss By TGA})] \times [93.79(\text{HPLC Purity})]/100 = 91.73 \%$

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		05/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		05/02/2026

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA