

CERTIFICATE OF ANALYSIS

(Certificate No. KMM171073-01)

Release Date:

Re-test Date:

Moxifloxacin EP Impurity E

Identification

Chemical Name :

1-Cyclopropyl-6-fluoro-8-hydroxy-7-[(4aS,7aS)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid compound with 2,2,2-trifluoroacetic acid

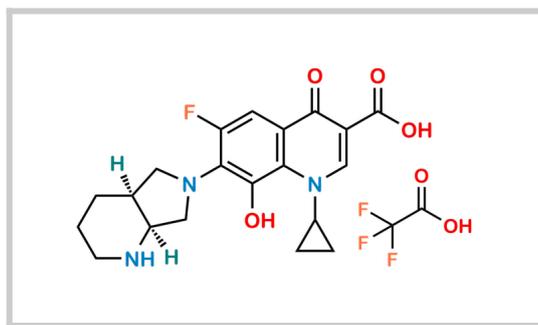
Alt. Name : Moxifloxacin O-Desmethyl Analog ; 8-Hydroxy Moxifloxacin (USP)

CAT No. : KMM171073

CAS No. : Not Available

Molecular Formula : C₂₀H₂₂FN₃O₄ : C₂H₃F₃O₂

Molecular Weight : 387.4 : 114.0



Analytical Information

Batch No. : M171073-114-092

Description : Yellow Solid

HPLC Purity : 95.36 %

Weight Loss By TGA : 2.87 %

% Potency : 92.62 %

Solubility : Water

Mass : Should be Confirm

IR : Should be Confirm

¹H NMR : Should be Confirm

% Potency (free base) : 71.56 %

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 - 2.87(Weight Loss By TGA)] x [95.36(HPLC Purity)]/100 = 92.62 %

% Potency (free base) : [Molecular Weight of free base (387.4)] x [% Potency of TFA salt (92.62 %)]/Molecular Weight of TFA salt (501.4) = 71.56 %

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		18/02/2026