CERTIFICATE OF ANALYSIS

(Certificate No. KMM171073-01)

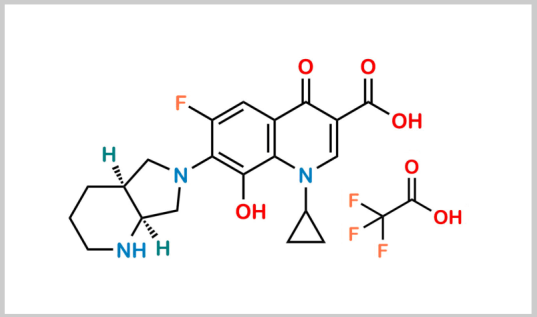
Release Date: 07/09/2026 **Re-test Date:** 06/09/2029

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 : C2HF3O2
Molecular Weight	: 387.4 : 114.0



Analytical Information

Batch No.	: M171073-114-092	**Solubility**	: Water
Description	: Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 98.32 %	**IR**	: Confirm
Weight Loss By TGA	: 3.00 %	**1H NMR**	: Confirm
% Potency	: 95.37 %	**% Potency (free base)**	: 73.69 %

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 - 3.00(Weight Loss By TGA)] x [98.32(HPLC Purity)]/100 = 95.37 %
% Potency (free base) : [Molecular Weight of free base (387.4)] x [% Potency of TFA salt (95.37 %]/Molecular Weight of TFA salt (501.4) = 73.69 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		07/09/2026
Reviewed & Approved By	Quality Control	Jatin Patel		07/09/2026

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