# CERTIFICATE OF ANALYSIS

(Certificate No. KMM171073-01)

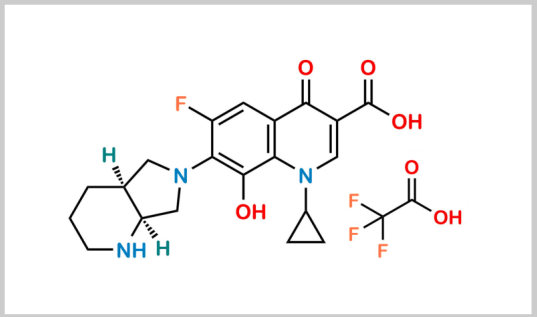
**Release Date:** 07/09/2026 **Re-test Date:** 06/09/2029

## 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