

# CERTIFICATE OF ANALYSIS

(Certificate No. KMM171019-01)

Release Date: 18/12/2025

Re-test Date: 17/12/2028

## 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 hydrobromide

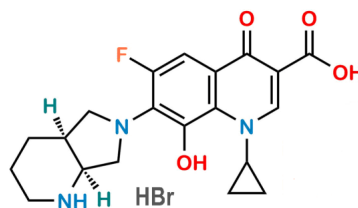
**Alt. Name** : Moxifloxacin O-Desmethyl Analog ; 8-Hydroxy Moxifloxacin (USP)

**CAT No.** : KMM171019

**CAS No.** : 1292904-74-5

**Molecular Formula** : C<sub>20</sub>H<sub>22</sub>FN<sub>3</sub>O<sub>4</sub> : HBr

**Molecular Weight** : 387.4 : 80.9



### Analytical Information

**Batch No.** : M171019-114-026

**Description** : Yellow Solid

**HPLC Purity** : NLT 95 %

**Weight Loss By TGA** : NMT 0.5 %

**% Potency** : 94.53 %

**Solubility** : Water

**Mass** : Should be Confirm

**IR** : Should be Confirm

**<sup>1</sup>H NMR** : Should be 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 - 0.5(Weight Loss By TGA)] x [95(HPLC Purity)]/100 = 94.53 %

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		18/12/2025