

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMM171016-01)

**Release Date:** 22/04/2025

**Re-test Date:** 21/04/2028

## **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

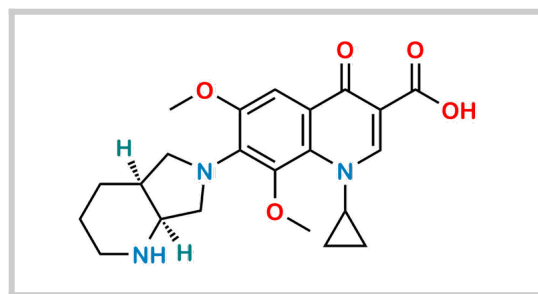
**Alt. Name** : Moxifloxacin Dimethoxy Analog

**CAT No.** : KMM171016

**CAS No.** : 1029364-73-5

**Molecular Formula** : C<sub>22</sub>H<sub>27</sub>N<sub>3</sub>O<sub>5</sub>

**Molecular Weight** : 413.5



### **Analytical Information**

**Batch No.** : M171016-091-353

**Description** : Yellow Solid

**HPLC Purity** : 95.58 %

**Weight Loss By TGA** : 0.89 %

**% Potency** : 94.73 %

**Solubility** : Methanol

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 0.89(Weight Loss By TGA)] x [95.58(HPLC Purity)]/100 = 94.73 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		22/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		22/04/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA