

# CERTIFICATE OF ANALYSIS

(Certificate No. KMM171016-02)

Release Date:

Re-test Date:

## 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

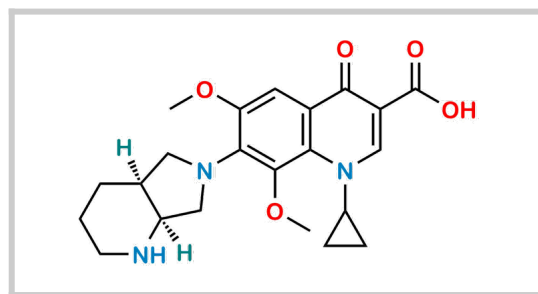
**Alt. Name** : Moxifloxacin Dimethoxy Analog

**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.** : M171016-114-060

**Description** : Yellow Solid

**HPLC Purity** : 93.79 %

**Weight Loss By TGA** : 2.20 %

**% Potency** : 91.73 %

**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 - 2.20(Weight Loss By TGA)] x [93.79(HPLC Purity)]/100 = 91.73 %

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		13/01/2026