

# CERTIFICATE OF ANALYSIS

(Certificate No. KMC009002-01)

Release Date: 31/08/2024

Re-test Date: 30/08/2027

## Ciprofloxacin In house Working Standard

### Identification

**Chemical Name :**

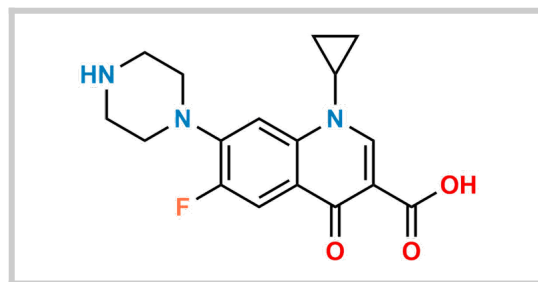
1-Cyclopropyl-6-fluoro-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid

CAT No. : KMC009002

CAS No. : 85721-33-1

Molecular Formula : C<sub>17</sub>H<sub>18</sub>FN<sub>3</sub>O<sub>3</sub>

Molecular Weight : 331.3



### Analytical Information

Batch No. : KMC009002-073

Description : White Powder

HPLC Purity : NLT 98.1 %

Weight Loss By TGA : 0.1 %

% Potency : 98 %

Solubility : Acetonitrile

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 - 0.1(Weight Loss By TGA)] x [98.1(HPLC Purity)]/100 = 98 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		31/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		31/08/2024

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