

# CERTIFICATE OF ANALYSIS

(Certificate No. KMG001005-01)

Release Date: 21/06/2023

Re-test Date: 20/06/2026

## Desmethyl Gatifloxacin

### Identification

**Chemical Name :**

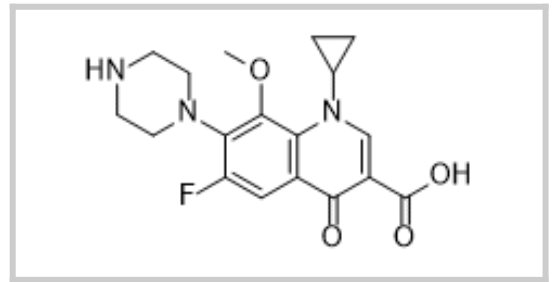
1-cyclopropyl-6-fluoro-8-methoxy-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid

CAT No. : KMG001005

CAS No. : 112811-57-1

Molecular Formula : C<sub>18</sub>H<sub>20</sub>FN<sub>3</sub>O<sub>4</sub>

Molecular Weight : 361.37



### Analytical Information

Batch No. : GAT-II-045-180

Description : Light Yellow Solid

HPLC Purity : 98.94 %

Weight Loss By TGA : 3.52 %

% Potency : 95.46 %

Solubility : ACN : Water (1:1)

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 - 3.52(Weight Loss By TGA)] x [98.94(HPLC Purity)]/100 = 95.46 %

Remarks : COA Re-generated on 16.05.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/05/2024
Reviewed & Approved By	Quality Control	Jatin Patel		16/05/2024

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