

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA001041-01)

Release Date: 04/08/2025

Re-test Date: 03/08/2028

## 8-Hydroxy Gatifloxacin

### Identification

**Chemical Name :**

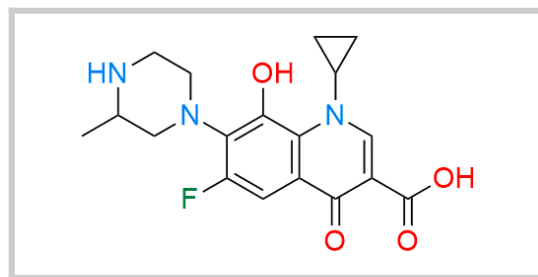
1-cyclopropyl-6-fluoro-8-hydroxy-7-(3-methylpiperazin-1-yl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

CAT No. : KMA001041

CAS No. : 616205-76-6

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-RC-A-045-242

Description : Light Yellow Solid

HPLC Purity : 92.42 %

Weight Loss By TGA : 1.82 %

% Potency : 90.74 %

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 - 1.82(Weight Loss By TGA)] x [92.42(HPLC Purity)]/100 = 90.74 %

-Re-tested on 04.08.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		04/08/2025
Reviewed & Approved By	Quality Control	Jatin Patel		04/08/2025

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