CERTIFICATE OF ANALYSIS

(Certificate No. KMA001041-01)

Release Date: 04/08/2025 **Re-test Date:** 03/08/2028

8-Hydroxy Gatifloxacin

Identification

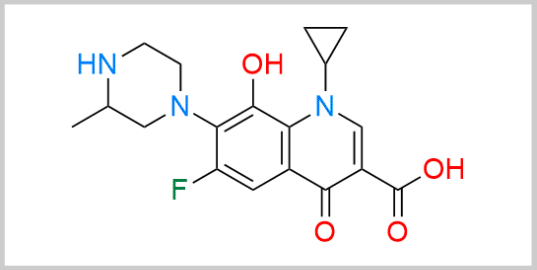
Chemical Name :
1-cyclopropyl-6-fluoro-8-hydroxy-7-(3-methylpiperazin-1-yl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

CAT No. : KMA001041

CAS No. : 616205-76-6

Molecular Formula : C18H20FN3O4

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

1H 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, 1HNMR, IR and TGA