

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMG001039-01)

**Release Date:** 16/01/2026

**Re-test Date:** 15/01/2029

## **N-Nitroso of Gatifloxacin**

### **Identification**

**Chemical Name :**

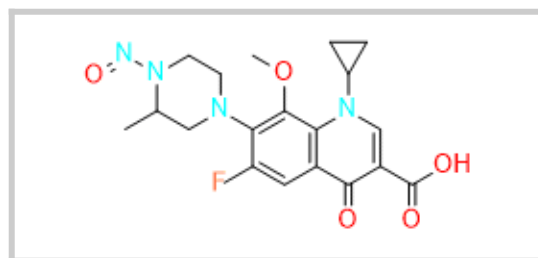
1-cyclopropyl-6-fluoro-8-methoxy-7-(3-methyl-4-nitrosopiperazin-1-yl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

**CAT No.** : KMG001039

**CAS No.** : Not Available

**Molecular Formula** : C<sub>19</sub>H<sub>21</sub>FN<sub>4</sub>O<sub>5</sub>

**Molecular Weight** : 404.39



### **Analytical Information**

**Batch No.** : GAT-API-N-NO-019-280

**Description** : Off White Solid

**HPLC Purity** : 99.05 %

**Weight Loss By TGA** : 0.50 %

**% Potency** : 98.55 %

**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 - 0.50(Weight Loss By TGA)] x [99.05(HPLC Purity)]/100 = 98.55 %  
-Re-tested on 16.01.2026

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		16/01/2026

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