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## CERTIFICATE OF ANALYSIS

Analysis Date: May 2023

Re-test Date: Apr 2026

**Product Name: Ciprofloxacin EP Impurity F**

### Identification:

Chemical Name: 1-Cyclopropyl-6-hydroxy-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid

Synonyms : NA

CAS Number : 226903-07-7

CAT Number : CP-C22006

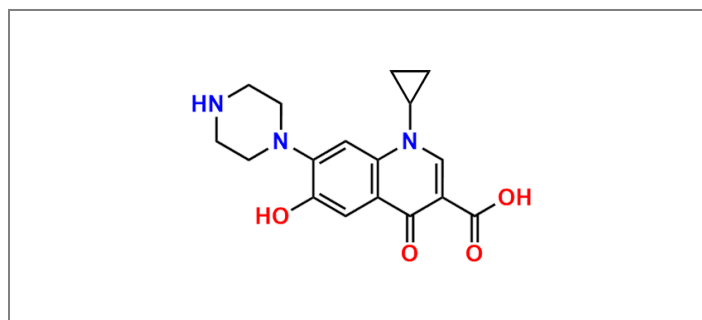
Molecular Formula : C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>

Molecular Weight : 329.35

Batch Number : CHEM-CIP-F

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Pale Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.15%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.