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CERTIFICATE OF ANALYSIS

Analysis Date: May 2023

Re-test Date: Apr 2026

Product Name: Ciprofloxacin EP Impurity D

Identification:

Chemical Name: 7-Chloro-1-cyclopropyl-4-oxo-6-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid (as per EP)

Synonyms : NA

CAS Number : 133210-96-5

CAT Number : CP-C22004

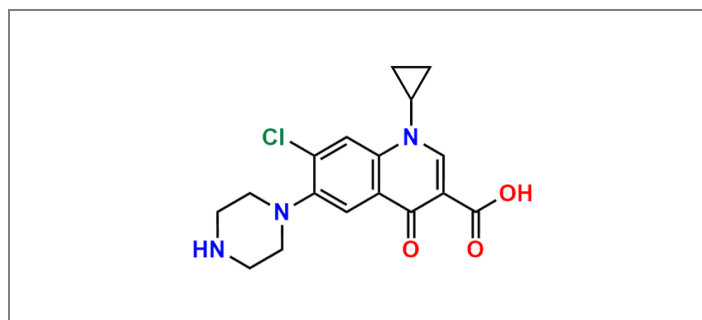
Molecular Formula : C₁₇H₁₈ClN₃O₃

Molecular Weight : 347.80

Batch Number : CHEM-CFC-D

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	White Solid
2)	Solubility	Soluble in DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.54%
5)	¹ HNMR	Confirm to structure
6)	¹³ CNMR	Confirm to structure
7)	IR	Confirm to structure
8)	Weight loss by TGA	0.102%
9)	Potency by TGA	97.44%



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

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