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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Ciprofloxacin Impurity I**

### Identification:

Chemical Name: 6-((2-Aminoethyl)amino)-7-chloro-1-cyclopropyl-4-oxo-1,4-dihydroquinoline-3-carboxylic acid hydrochloride

Synonyms : Ciprofloxacin Ethylenediamine Analog

CAS Number : 528851-30-1

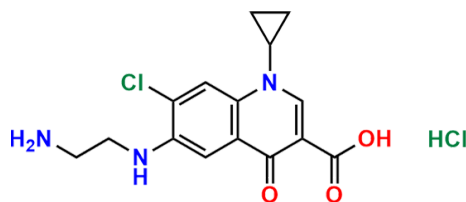
CAT Number : CP-C22009

Molecular Formula : C<sub>15</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>3</sub> : HCl

Molecular Weight : 321.8 : 36.5

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       | Solid                    |
| 2)      | Solubility        | Soluble in Methanol/DMSO |
| 3)      | Mass Spectrometry | Confirm to structure     |
| 4)      | Purity By HPLC    | >95%                     |
| 5)      | <sup>1</sup> HNMR | Confirm to structure     |



#### Prepared and Reviewed By



Mr. Shubham Bondre  
(Quality Control)

#### Approved By



Mr. Abhijit Kale  
(Quality Assurance)

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