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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Norfloxacin EP Impurity J**

### Identification:

Chemical Name: 6,7-Bis(4-(ethoxycarbonyl)piperazin-1-yl)-1-ethyl-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

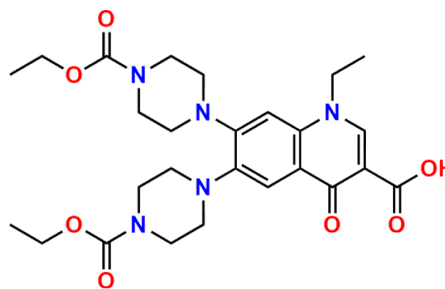
Synonyms : NA

CAS Number : NA

CAT Number : CP-N44034

Molecular Formula : C<sub>26</sub>H<sub>35</sub>N<sub>5</sub>O<sub>7</sub>

Molecular Weight : 529.6



### Analytical Information:

| Sr. No. | Test           | Result                   |
|---------|----------------|--------------------------|
| 1)      | Description    | Solid                    |
| 2)      | Solubility     | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS   | Confirm to structure     |
| 4)      | Purity By HPLC | >95%                     |
| 5)      | H1NMR          | 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.