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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Pefloxacin EP Impurity B**

### Identification:

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

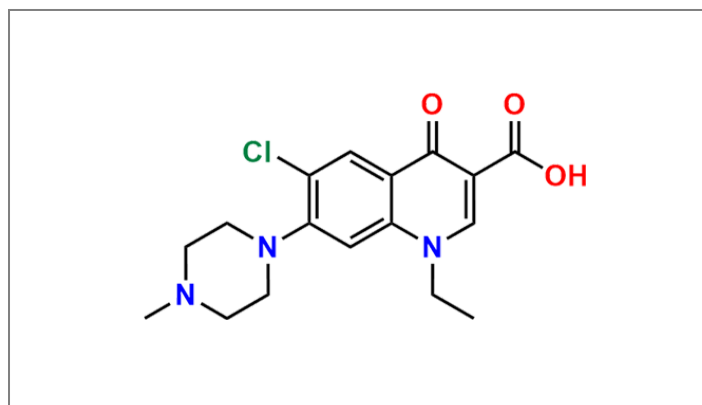
Synonyms : Chlorinated homologue  
of pefloxacin

CAS Number : 70458-73-0

CAT Number : CP-P159003

Molecular Formula : C<sub>17</sub>H<sub>20</sub>ClN<sub>3</sub>O<sub>3</sub>

Molecular Weight : 349.8



### 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.