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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Levofloxacin EP Impurity D**

#### Identification:

Chemical Name: (-)-(S)-2,3-Dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid

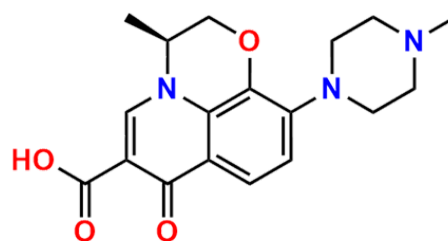
Synonyms : Levofloxacin USP Related  
Compound F ; Levofloxacin  
Desfluoro Impurity ; 9-Desfluoro  
Levofloxacin

CAS Number : 117620-85-6

CAT Number : CP-L17004

Molecular Formula : C<sub>18</sub>H<sub>21</sub>N<sub>3</sub>O<sub>4</sub>

Molecular Weight : 343.38



#### 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.