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## CERTIFICATE OF ANALYSIS

Analysis Date:

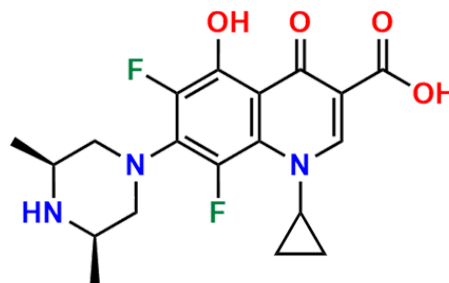
Re-test Date:

**Product Name: Orbifloxacin EP Impurity D**

### Identification:

Chemical Name: 1-Cyclopropyl-7-[(3R,5S)-3,5-dimethylpiperazin-1-yl]-6,8-difluoro-5-hydroxy-4-oxo-1,4-dihydroquinoline-3-carboxylic acid (as per EP)

Synonyms : NA  
CAS Number : 126458-22-8  
CAT Number : CP-O29004  
Molecular Formula : C<sub>19</sub>H<sub>21</sub>F<sub>2</sub>N<sub>3</sub>O<sub>4</sub>  
Molecular Weight : 393.39



### 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	>98%
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.