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## CERTIFICATE OF ANALYSIS

Analysis Date: Oct 2023

Re-test Date: Sep 2026

**Product Name: N-Nitroso N-Desmethyl Levofloxacin**

### Identification:

Chemical Name: (S)-9-Fluoro-3-methyl-10-(4-nitrosopiperazin-1-yl)-7-oxo-2,3-dihydro-7H-[1,4]oxazino[2,3,4-ij]quinoline-6-carboxylic acid

Synonyms : N-Nitroso Levofloxacin USP  
Related Compound A ; N-Nitroso  
Levofloxacin EP Impurity B

CAS Number : 1152314-62-9

CAT Number : CP-L17013

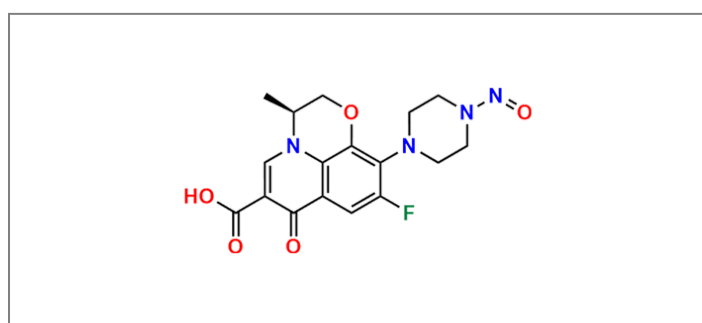
Molecular Formula : C<sub>17</sub>H<sub>17</sub>FN<sub>4</sub>O<sub>5</sub>

Molecular Weight : 376.34

Batch Number : CP-LEV-NIT1-1023

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	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.14%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	0.103%
8)	Potency by TGA	97.03%



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare  
(QA Head)

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