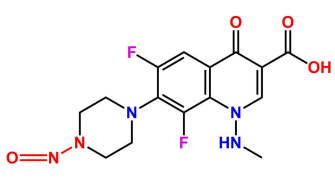


# CERTIFICATE OF ANALYSIS

Date: 27-12-2024

<b>Product Name</b>	<b>N-Nitroso-Marbofloxacin Impurity C</b>		
<b>Chemical Name</b>	6,8-difluoro-1-(methyamino)-7-(4-nitrosopiperazin-1-yl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid		
<b>Structure</b>	 <p>The chemical structure shows a quinolone core with a carboxylic acid group at position 3, a methylamino group at position 4, and a piperazine ring at position 7. The piperazine ring is substituted with a nitroso group (-NO) at the 4-position. Fluorine atoms are present at positions 6 and 8 of the quinolone ring.</p>		
<b>Inv. Status</b>	-	<b>CAS No.</b>	NA
<b>Analysis Date</b>	-	<b>Retest Date</b>	-
<b>Mol. Formula</b>	C <sub>15</sub> H <sub>15</sub> F <sub>2</sub> N <sub>5</sub> O <sub>4</sub>	<b>Molecular Wt.</b>	367.31
<b>Long term Storage Condition</b>	Store at 2-8 °C in well closed container		
<b>Handling and Transit Condition</b>	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
<sup>1</sup> H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%
<b>Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.</b>	

	Prepared By	Checked By	Approved By
<b>Signature</b>			
<b>Date</b>			

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