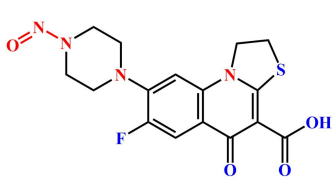


CERTIFICATE OF ANALYSIS

Date: 27-12-2024

Product Name	N-Nitroso Prulifloxacin Impurity 4		
Chemical Name	7-fluoro-8-(4-nitrosopiperazin-1-yl)-5-oxo-2,5-dihydro-1H-thiazolo[3,2-a]quinoline-4-carboxylic acid		
Structure	 <p>The chemical structure shows a thiazoloquinoline core. At position 7, there is a fluorine atom. At position 8, there is a piperazine ring with a nitroso group (-NO) attached to one of the nitrogen atoms. At position 5, there is a carbonyl group (=O). At position 4, there is a carboxylic acid group (-COOH). The thiazole ring is fused to the quinoline ring at positions 3 and 2.</p>		
Inv. Status	-	CAS No.	NA
Analysis Date	-	Retest Date	-
Mol. Formula	C ₁₆ H ₁₅ FN ₄ O ₄ S	Molecular Wt.	378.38
Long term Storage Condition	Store at 2-8 °C in well closed container		
Handling and Transit Condition	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
¹ H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

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.

	Prepared By	Checked By	Approved By
Signature			
Date			

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