



CERTIFICATE OF ANALYSIS



Date: 04-02-2026

Product Name	Ranitidine EP Impurity E		
Chemical Name	N-[2-[[[5-[(Dimethyloxidoamino)methyl]furan-2-yl]methyl]sulfanyl]ethyl]-N ² -methyl-2-nitroethene-1,1-diamine		
Structure	<p>The chemical structure shows a complex molecule. It features a furan ring substituted with a dimethylaminomethyl group at the 5-position. Attached to the furan ring is a thiomethyl group (-S-CH₂-CH₃). A 2-nitroethene-1,1-diamine side chain is attached to the furan ring at the 2-position. The side chain consists of a methylene group (-CH=CH₂), which is further substituted with a methylamino group (-NH-CH₃) and a nitro group (-NO₂).</p>		
Batch No.	-	CAS No.	73857-20-2
Analysis Date	-	Retest Date	2
Mol. Formula	C ₁₃ H ₂₂ N ₄ O ₄ S	Molecular Wt.	330.4
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	-
1H-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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