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CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2024

Re-test Date: Jun 2025

Product Name: Ranitidine EP Impurity C

Identification:

Chemical Name: N-[2-[[[5-[(Dimethylamino)methyl]furan-2-yl]methyl]sulfinyl]ethyl]-N'-methyl-2-nitroethene-1,1-diamine

Synonyms : Ranitidine USP Related
Compound C ; Ranitidine S-
Oxide

CAS Number : 73851-70-4

CAT Number : CP-R8003

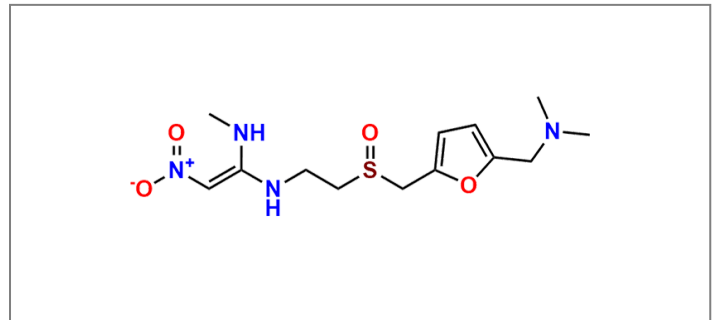
Molecular Formula : C₁₃H₂₂N₄O₄S

Molecular Weight : 330.40

Batch Number : CHEM-RTD-C

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	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.19%
5)	H1NMR	Confirm to structure
6)	13CNMR	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.