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## CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2024

Re-test Date: Jun 2025

**Product Name: Ranitidine EP Impurity D**

### Identification:

Chemical Name: N-[2-[[[5-[(dimethylamino) methyl]furan-2-yl]methyl]sulphonyl]ethyl]-2-nitroacetamide

Synonyms : Ranitidine BP  
Impurity D

CAS Number : 117846-02-3

CAT Number : CP-R8004

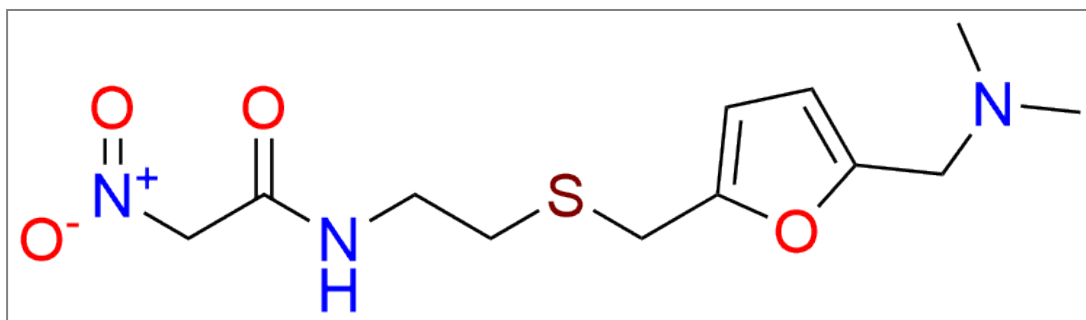
Molecular Formula : C<sub>12</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>S

Molecular Weight : 301.36

Batch Number : CHEM-RTD-D

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	97.64%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



**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.