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## CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2024

Re-test Date: Jun 2025

**Product Name: Ranitidine EP Impurity B**

### Identification:

Chemical Name: 2-[[[5-[(Dimethylamino)methyl]-furan-2-yl]methyl]sulfanyl]ethanamine

Synonyms : Ranitidine USP Related  
Compound A ; Ranitidine  
Aminoethyl Impurity

CAS Number : 66356-53-4

CAT Number : CP-R8002

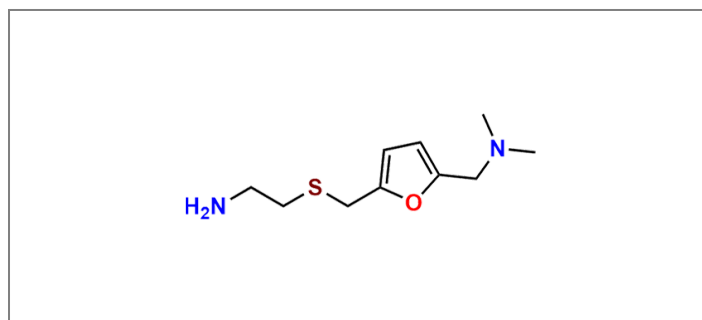
Molecular Formula : C<sub>10</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>S

Molecular Weight : 214.33

Batch Number : CHEM-RTD-B

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	White to Off White Slightly Hygroscopic Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.37%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	-
7)	Potency by TGA	-



### Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Quality Control)

### Approved By

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.