



CERTIFICATE OF ANALYSIS

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1. Identification

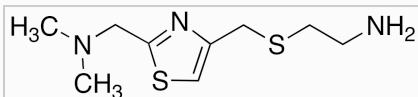
Catalogue Number: D461050

CAS Number: 78441-62-0

Product: 2-(Dimethylaminomethyl)-4-(2-aminoethylthiomethyl)thiazole

Synonym: 4-[[[2-Aminoethyl]thio]methyl]-N,N-dimethyl-2-thiazolemethanamine; Nizatidine EP Impurity D; Nizatidine EP Impurity D

Structure:



Molecular Formula:

C₉H₁₇N₃S₂

Molecular weight:

231.38

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 5-GHZ-89-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Yellow to Very Dark Red Oil to Thick Oil	Dark Yellow Thick Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Toni Rantanen	Chanell Chu	5/18/2022	5/16/2026