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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

Re-test Date: Jan 2028

**Product Name: Famotidine EP Impurity A**

### Identification:

Chemical Name: 3-[[[2-[(diaminomethylidene)amino]thiazol-4-yl]methyl]sulfanyl]propanimidamide

Synonyms : Famotidine amidine

CAS Number : 124646-10-2

CAT Number : CP-F9001

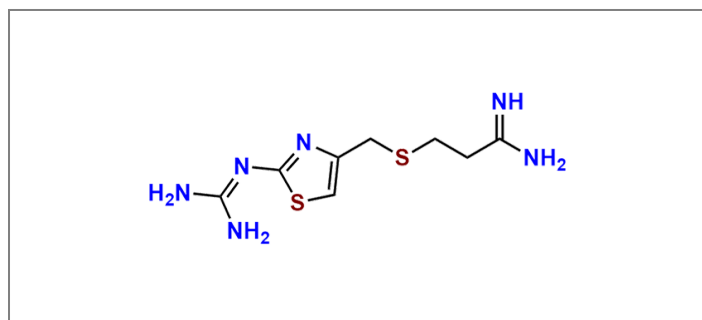
Molecular Formula : C<sub>8</sub>H<sub>14</sub>N<sub>6</sub>S<sub>2</sub>

Molecular Weight : 258.37

Batch Number : CP-FAM-A-0225

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)	Solubility	Soluble in Methanol/DMSO
2)	MASS By LCMS	Confirm to structure
3)	Purity By HPLC	98.61 %
4)	H1NMR	Confirm to structure
5)	13CNMR	Confirm to Structure
6)	IR	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.