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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2023

Re-test Date: Jan 2026

**Product Name: Famotidine EP Impurity F**

### Identification:

Chemical Name: 3-(((2-((Diaminomethylene)amino)thiazol-4-yl)methyl)thio)propanoic acid

Synonyms : Famotidine USP Related  
Compound F ; Famotidine  
Degradation Impurity 1

CAS Number : 107880-74-0

CAT Number : CP-F9006

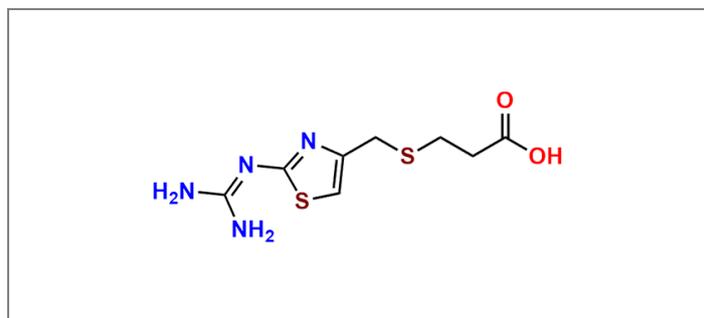
Molecular Formula : C<sub>8</sub>H<sub>12</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub>

Molecular Weight : 260.33

Batch Number : CHEM-FAM-F

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 0.01 ml TFA in 10 ml water
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	96.12%
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.