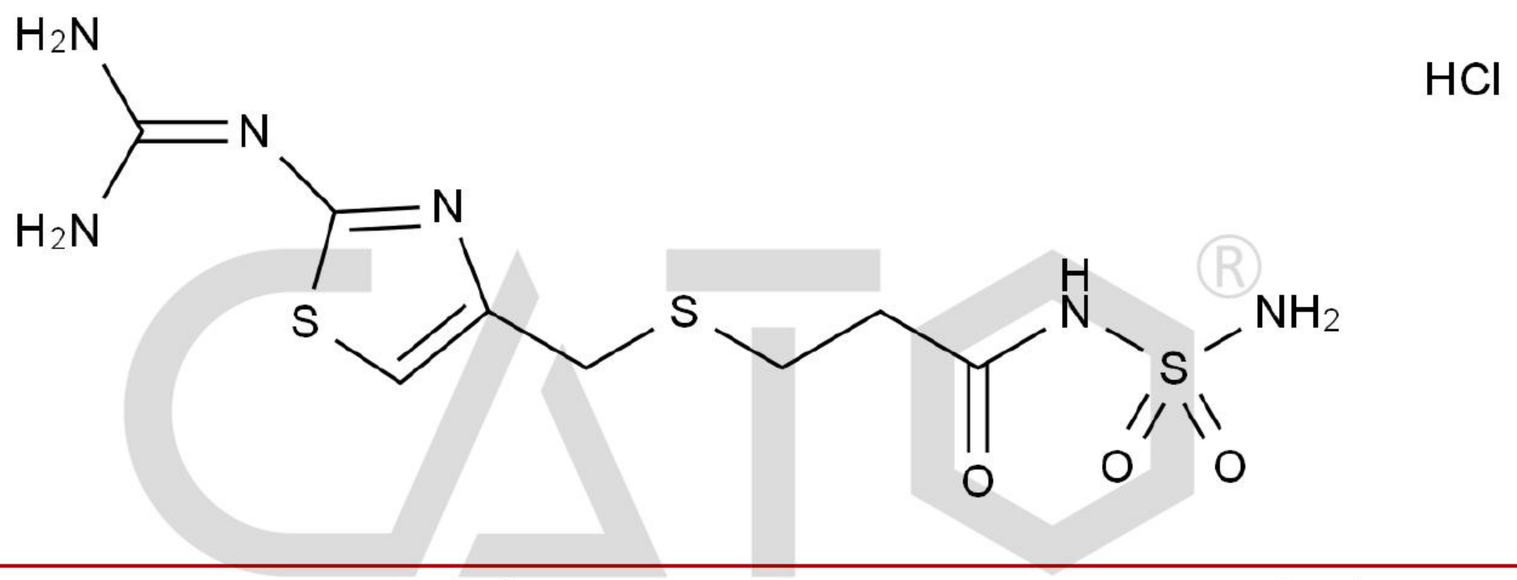
Certificate of Analysis

Reference Material & Standard

Product Name:	Famotidine EP Impurity C HCl	**Catalogue Number:**	C4X-13923
Synonyms:	N/A	**Lot Number:**	0821-RF-0043
CAS Number:	76824-17-4	**Expiry Date:**	Jul 29, 2030
Molecular Formula:	$C_8H_{14}N_6O_3S_3$ HCl	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	338.43 36.46	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.045%
Residue on Ignition	TGA	0.4706%
Loss on Drying	TGA	3.9343%
Assay		93.7%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koji Date: Jul 30, 2026

Reviewed by: Lisa Date: Jul 30, 2026

Approved by General Manager: David Date: Jul 30, 2026

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