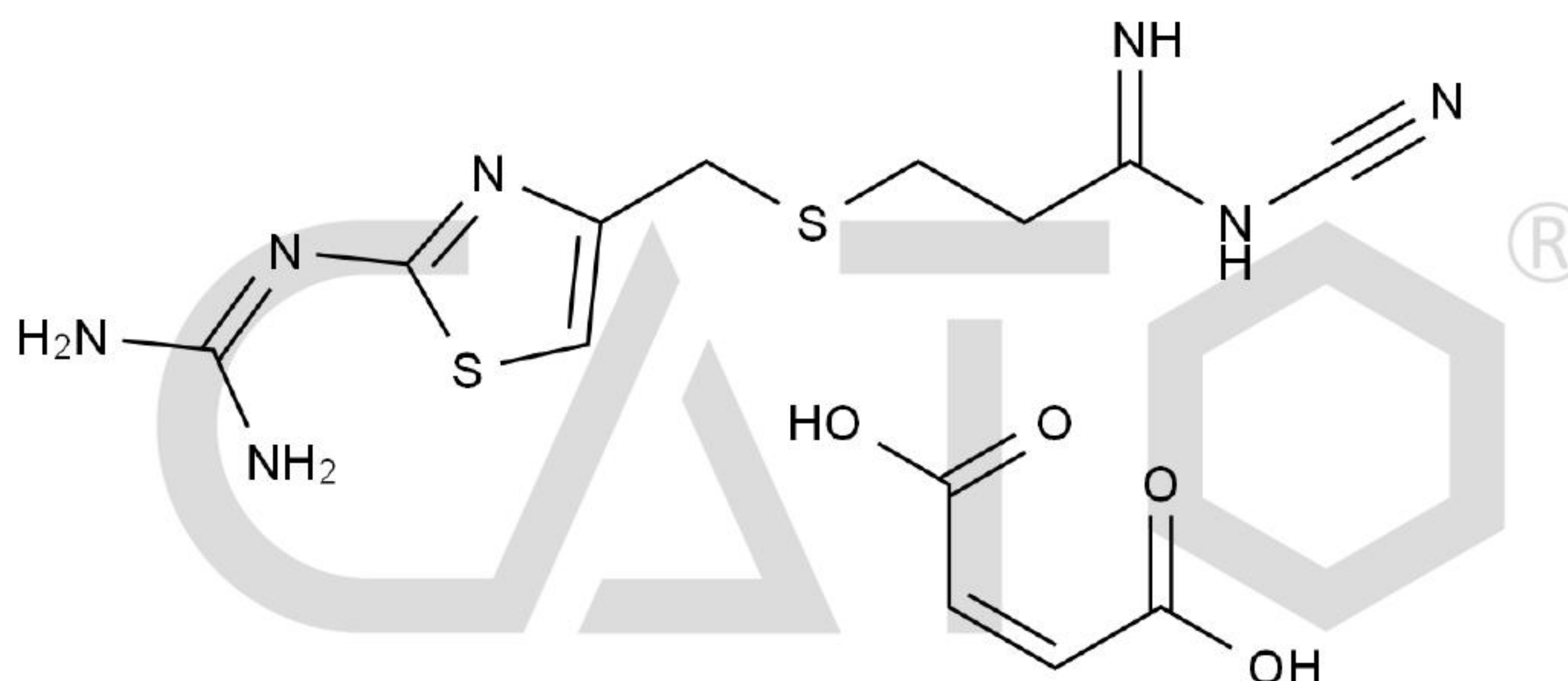


Certificate of Analysis

Reference Material & Standard

Product Name:	Famotidine EP Impurity G(Maleate)	Catalogue Number:	C4X-139244
Synonyms:	N-Cyano-3-[[2-(diaminomethyleneamino)thiazol-4-yl]methylthio]propanimidamide Maleate	Lot Number:	0919-RG-0042
CAS Number:	N/A	Expiry Date:	Oct 14, 2029
Molecular Formula:	C ₉ H ₁₃ N ₇ S ₂ C ₄ H ₄ O ₄	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	283.38 116.07	Shipping Condition:	Shipping at room temperature
Solubility:	Soluble in DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.343%
Residue on Ignition	TGA	1.0034%
Loss On Drying	TGA	0.3621%
Assay	qNMR	97.4%
Assay	Mass Balance	98.0%

Comment:

- The retest date of this product is Oct 14, 2028.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Oct 15, 2025

Date: Oct 15, 2025

Date: Oct 15, 2025

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

