

Certificate of Analysis

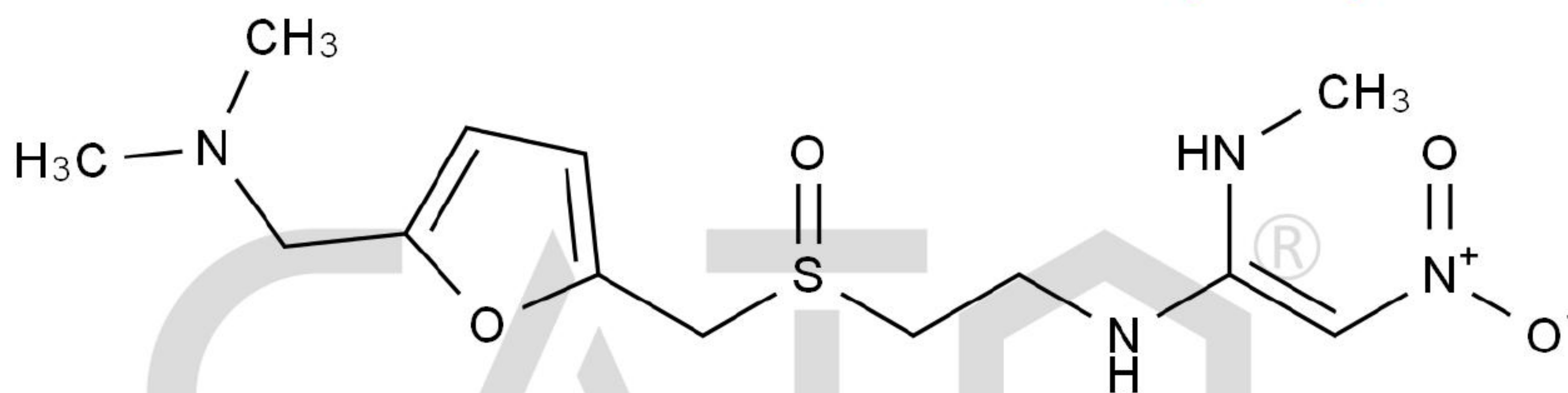
Reference Material & Standard

Product Name:	Ranitidine EP Impurity C	Catalogue Number:	C4X-13703
Synonyms:	N/A	Lot Number:	1203-RG-0047
CAS Number:	73851-70-4	Expiry Date:	Dec 02, 2029
Molecular Formula:	C ₁₃ H ₂₂ N ₄ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	330.40	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.2936%
Loss On Drying	TGA	2.922%
Assay		95.4%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hin Lam

Reviewed by:

Yuki-i

Approved by General Manager:

David

Date: Dec 04, 2025

Date: Dec 05, 2025

Date: Dec 05, 2025



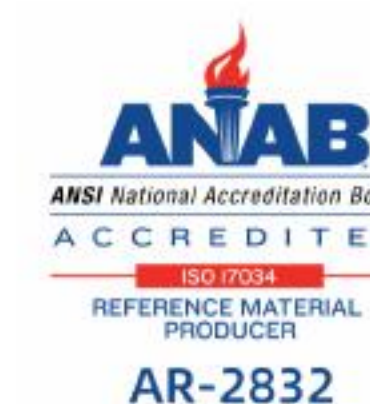
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