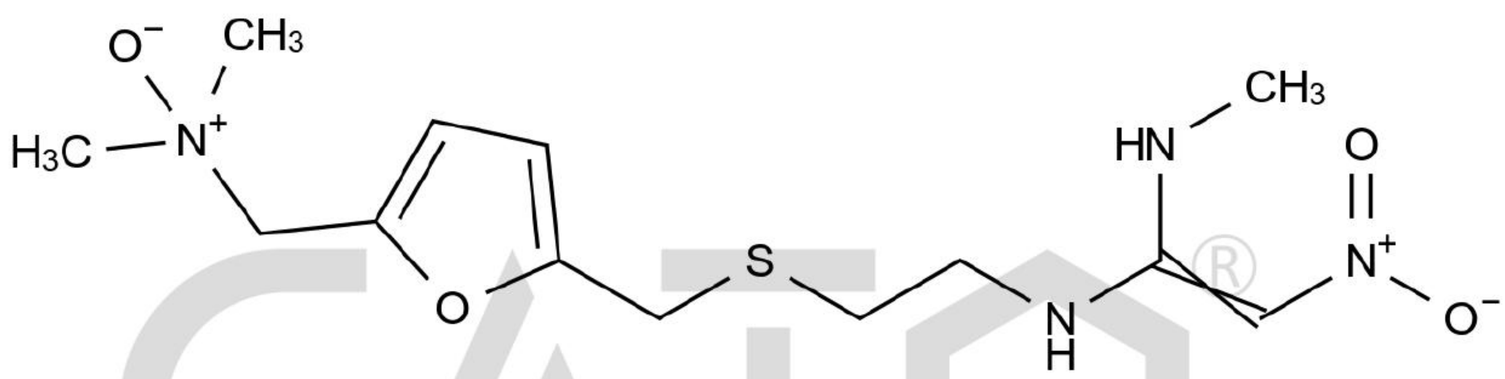
Certificate of Analysis

Reference Material & Standard

Product Name:	Ranitidine EP Impurity E	**Catalogue Number:**	C4X-13705
Synonyms:	N/A	**Lot Number:**	0731-RH-0055
CAS Number:	73857-20-2	**Expiry Date:**	Jan 22, 2029
Molecular Formula:	$C_{13}H_{22}N_4O_4S$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	330.40	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.3886%
Loss on Drying	TGA	0.262%
Assay		99.1%

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Comment:

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

Signature:

Prepared by: Date: Jul 31, 2026

Reviewed by: Date: Jul 31, 2026

Approved by General Manager: Date: Jul 31, 2026

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