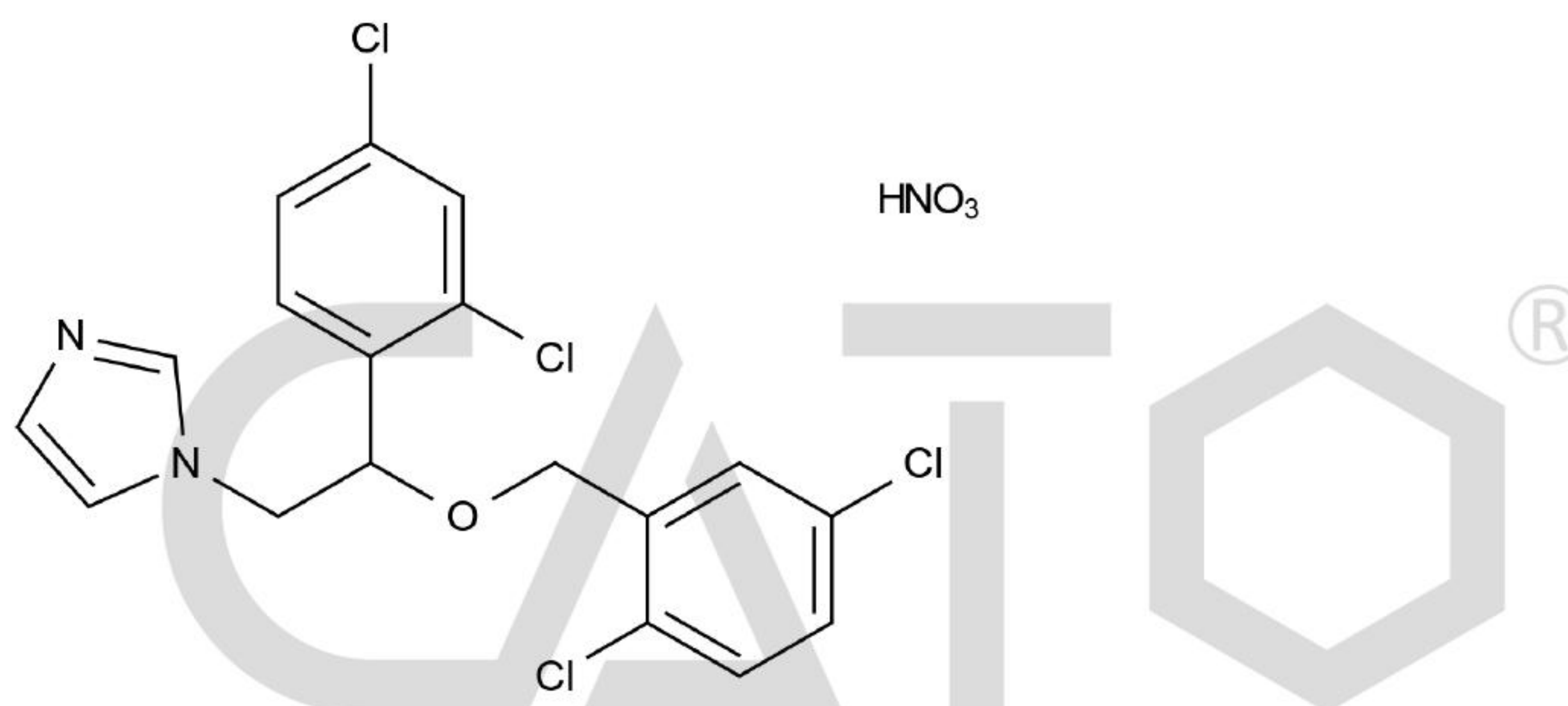


Certificate of Analysis

Reference Material & Standard

Product Name:	Miconazole EP Impurity G	Catalogue Number:	C4X-18026
Synonyms:	1-[(2RS)-2-(2, 4-Dichlorophenyl)-2-[[[2, 5-dichlorophenyl)methyl]oxy]ethyl]-1H-imidazole Nitrate	Lot Number:	0819-RG-0021
CAS Number:	909277-72-1	Expiry Date:	Aug 26, 2029
Molecular Formula:	C ₁₈ H ₁₄ Cl ₄ N ₂ O HNO ₃	Storage:	-20°C±5°C Sealed
Molecular Weight:	416.13 63.01	Shipping Condition:	Shipping with ice packs
Solubility:	Soluble in Chloroform, DMSO and Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.851%
Residue on Ignition	TGA	0.0335%
Loss On Drying	TGA	0.0171%
Assay	qNMR	98.7%
Assay	Mass Balance	99.8%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The retest date of this product is Aug 27, 2028.
3. The calculation of the 100% 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: Aug 27, 2025

Date: Aug 27, 2025

Date: Aug 27, 2025

