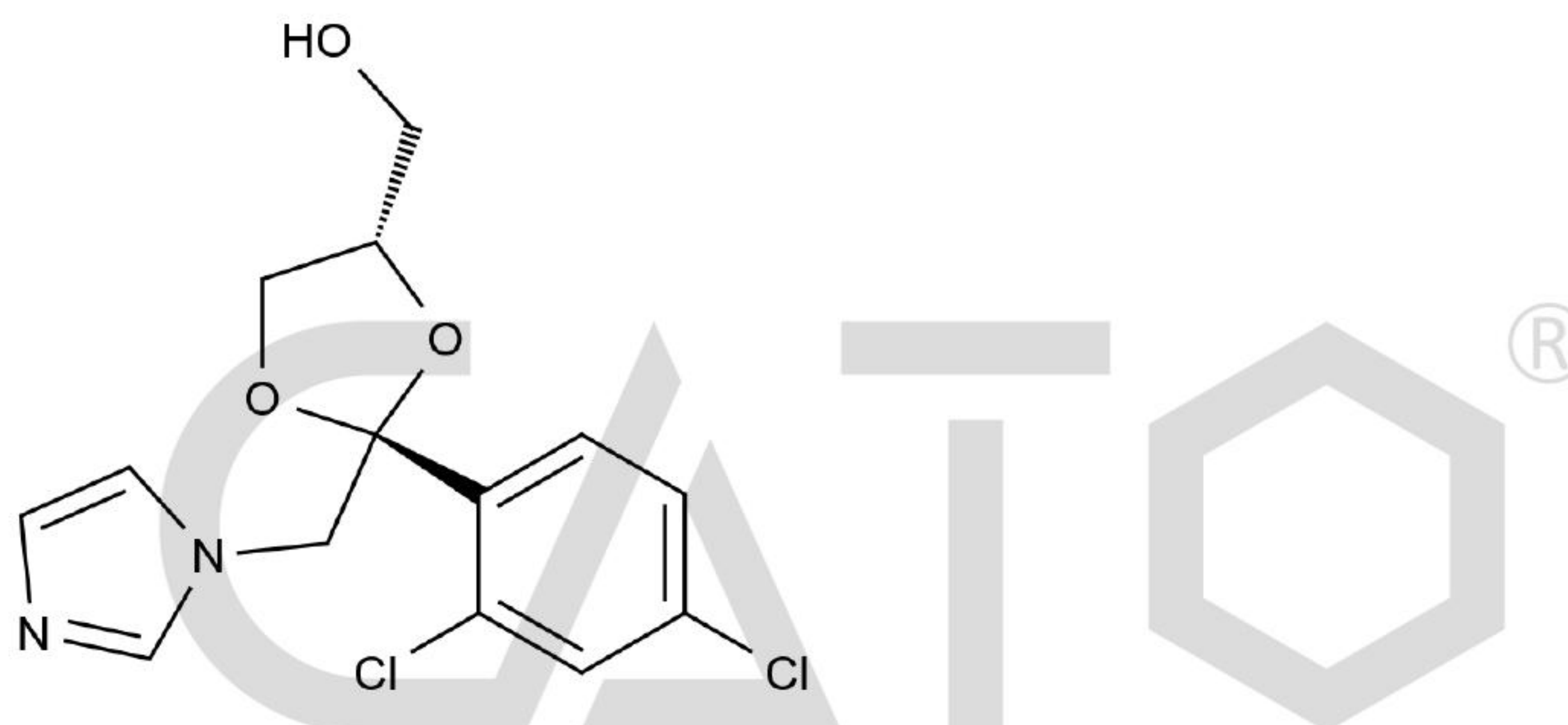


Certificate of Analysis

Reference Material & Standard

Product Name:	Ketoconazole Impurity 13 (and enantiomer)	Catalogue Number:	C4X-147213
Synonyms:	N/A	Lot Number:	0327-RH-0130
CAS Number:	61397-58-8	Expiry Date:	Mar 31, 2030
Molecular Formula:	C ₁₄ H ₁₄ Cl ₂ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	329.18	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	0.0453%
Assay		99.95%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 01, 2026

Date: Apr 01, 2026

Date: Apr 01, 2026



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