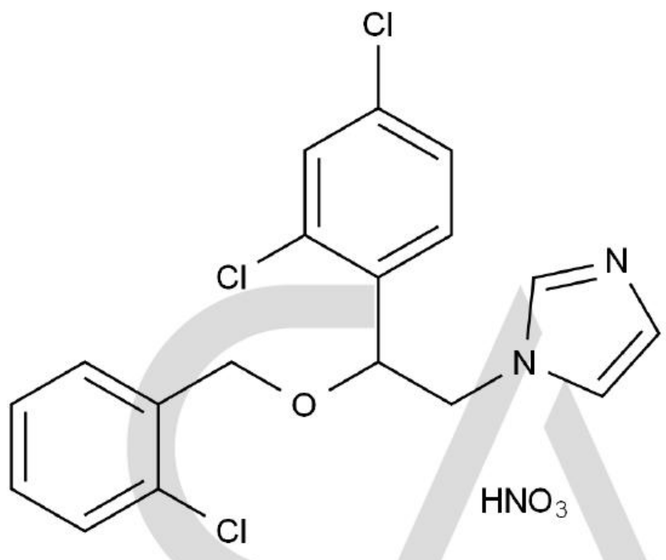
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Miconazole EP Impurity I | **Catalogue Number:** | C4X-18029 |
| **Synonyms:** | N/A | **Lot Number:** | 0410-RF-0029 |
| **CAS Number:** | 24169-00-4 | **Expiry Date:** | Sep 19, 2030 |
| **Molecular Formula:** | $C_{18}H_{15}Cl_3N_2O\ HNO_3$ | **Storage:** | 2°C ~ 8°C Protected from light and Sealed |
| **Molecular Weight:** | 381.68 63.01 | **Shipping Condition:** | Shipping at Room Temperature |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | White Solid |
| **Identification** | LCMS&HNMR | Confirmed |
| **Purity** | HPLC | 99.9% |
| **Residue on Ignition** | TGA | 1.1148% |
| **Loss on Drying** | TGA | 2.6733% |
| **Assay** | qNMR | 98.4% |

CATO Research Chemicals Inc.

**Signature:**

Prepared by: Alice — Date: Nov 02, 2026

Reviewed by: Koi — Date: Nov 03, 2026

Approved by General Manager: David — Date: Nov 03, 2026

CATO Research Chemicals Inc.