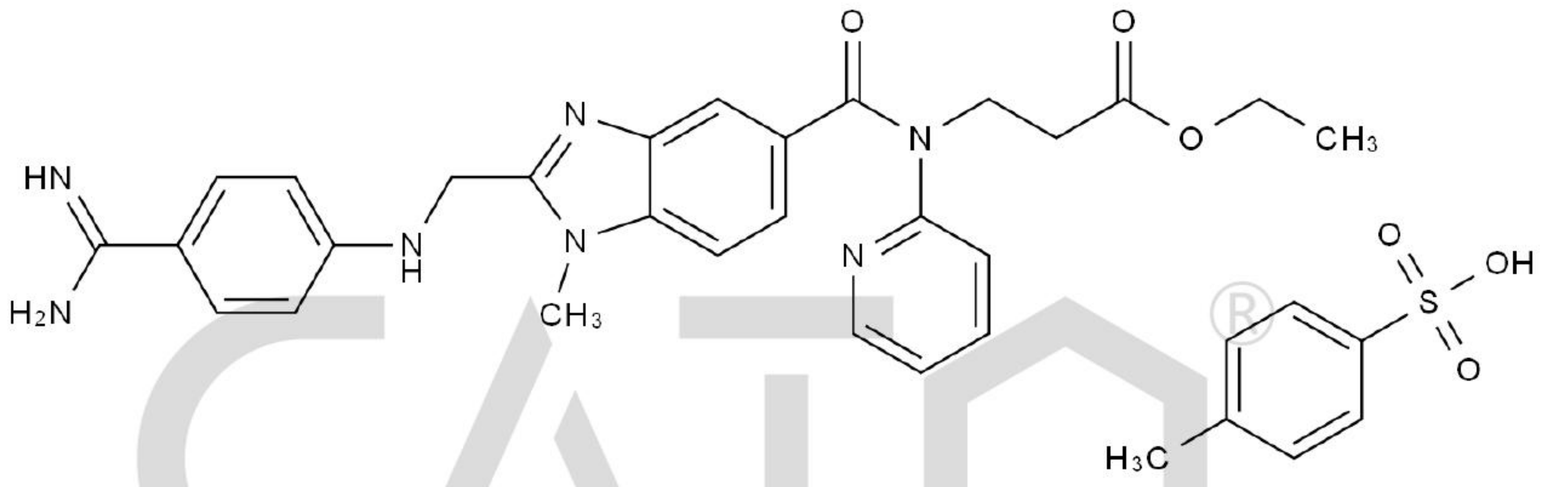
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Dabigatran Impurity 51 | **Catalogue Number:** | C4X-108951 |
| **Synonyms:** | N/A | **Lot Number:** | 1023-RH-0053 |
| **CAS Number:** | 872728-85-3 | **Expiry Date:** | Oct 27, 2030 |
| **Molecular Formula:** | $C_{27}H_{29}N_7O_3$ $C_7H_8O_3S$ | **Storage:** | 2°C ~ 8°C Protected from light and Sealed |
| **Molecular Weight:** | 499.56 172.20 | **Shipping Condition:** | Shipping at Room Temperature |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | Off-White Solid |
| **Identification** | LCMS&HNMR | Confirmed |
| **Purity** | HPLC | 99.0% |
| **Assay** | qNMR | 97.6% |

CATO Research Chemicals Inc.

**Signature:**

Prepared by: Alice Date: Oct 28, 2026

Reviewed by: Koi Date: Nov 02, 2026

Approved by General Manager: David Date: Nov 02, 2026

CATO Research Chemicals Inc.