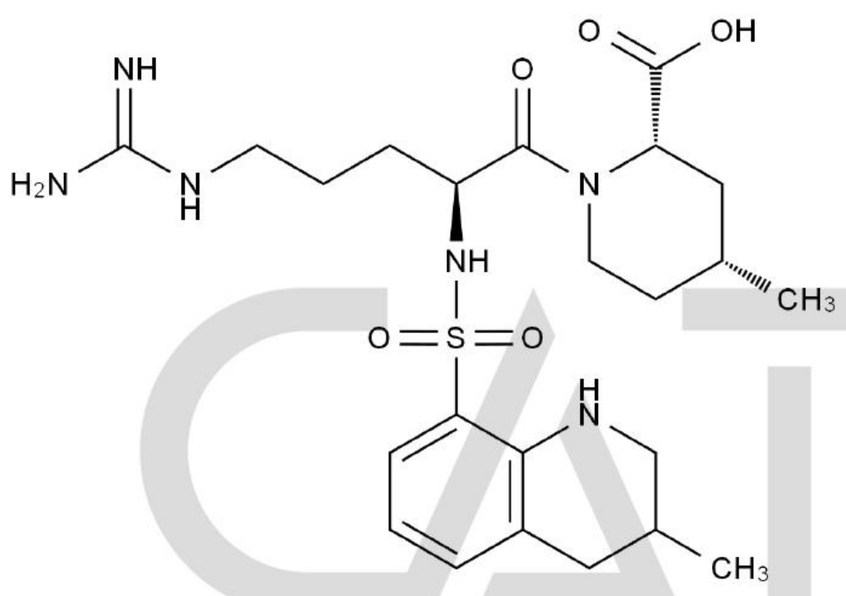
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Argatroban Impurity 38 (Mixture of Diastereomers) | **Catalogue Number:** | C4X-100738 |
| **Synonyms:** | N/A | **Lot Number:** | 0715-RF-0049 |
| **CAS Number:** | 189264-02-6 | **Expiry Date:** | Jul 17, 2026 |
| **Molecular Formula:** | C23H36N6O5S | **Storage:** | 2°C ~ 8°C Protected from light and Sealed |
| **Molecular Weight:** | 508.63 | **Warning:** |  |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | Off-White Solid |
| **Identification** | LCMS&HNMR | Confirmed |
| **Purity** | HPLC | 96.7663% |
| **Water Content** | Karl Fischer | 0.35% |
| **Residual Solvents** | NMR | Not detected in NMR |
| **Assay** | | 96.4% |

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## Comment:

*The calculation of the 100% method follows the formula (calculated on the non-dried basis):*
*Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) /100%*
*Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.*

**Signature:**

Prepared by: Lily Date: Jul 16, 2024

Reviewed by: Lisa Date: Jul 16, 2024

Approved by General Manager: David Date: Jul 16, 2024

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