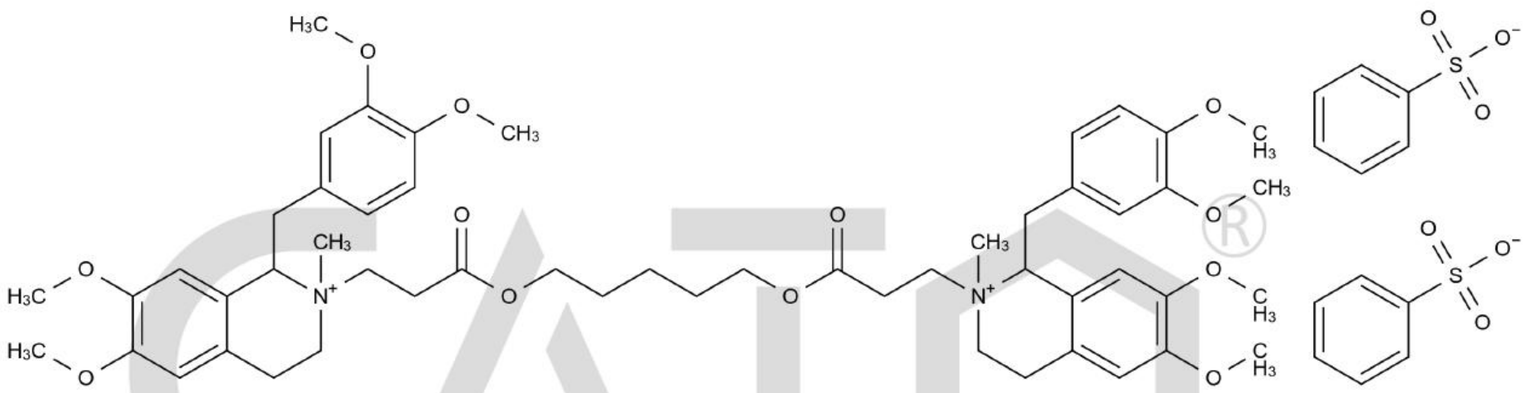
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Atracurium Besylate | **Catalogue Number:** | CP143172 |
| **Synonyms:** | N/A | **Lot Number:** | 1027-RH-0103 |
| **CAS Number:** | 64228-81-5 | **Expiry Date:** | Nov 02, 2030 |
| **Molecular Formula:** | $C_{53}H_{72}N_2O_{12}$ 2*$C_6H_5O_3S$ | **Storage:** | -20°C±5°C Protected from light and Sealed |
| **Molecular Weight:** | 929.14 2*157.17 | **Shipping Condition:** | Shipping with Ice Packs |
| | | **Warning:** |  |

**Chemical Structure:**



| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | White Solid |
| **Identification** | LCMS&HNMR | Confirmed |
| **Purity** | HPLC | 97.987% |
| **Loss on Drying** | TGA | 0.3860% |
| **Assay** | Mass Balance | 97.6% |

## 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: Alice Date: Nov 03, 2026

Reviewed by: Koi Date: Nov 03, 2026

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

CATO Research Chemicals Inc.

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175 Email: supports@cato-chem.com Web: https://www.cato-chem.com



ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

SYSTEM CERTIFICATION ISO 9001:2000 SGS

Official WeChat