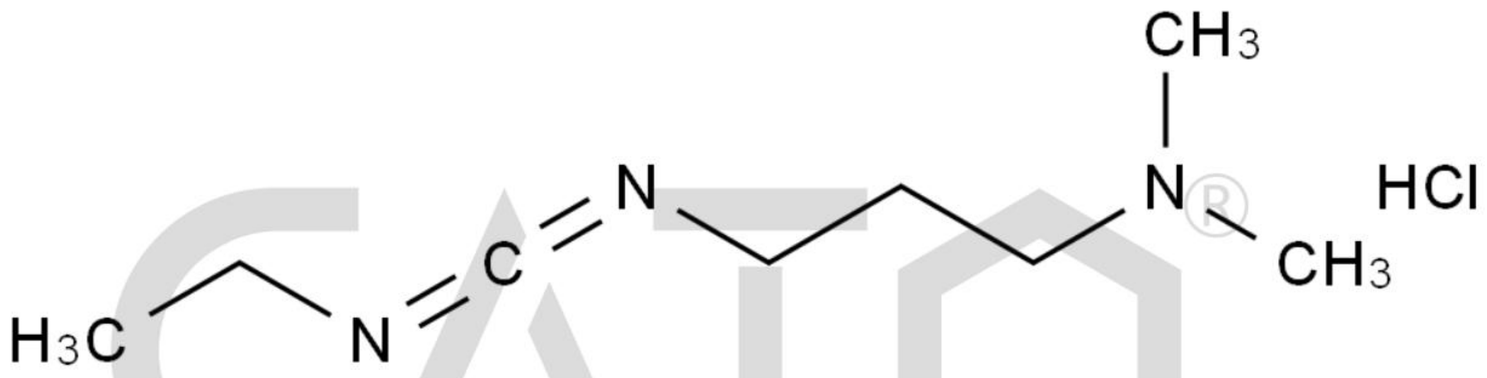
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Mirabegron EP Impurity I | **Catalogue Number:** | C4X-184811 |
| **Synonyms:** | N/A | **Lot Number:** | 0816-RH-0045 |
| **CAS Number:** | 25952-53-8 | **Expiry Date:** | Aug 17, 2030 |
| **Molecular Formula:** | $C_8H_{17}N_3$ HCl | **Storage:** | -20°C±5°C Protected from light and Sealed |
| **Molecular Weight:** | 155.24 36.46 | **Shipping Condition:** | Shipping with Ice Packs |
| | | **Warning:** |  |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | Off-White Solid |
| **Identification** | LCMS&IR&HNMR | Confirmed |
| **Water Content** | Karl Fischer | 0.5724% |
| **Assay** | qNMR | 98.7% |

CATO Research Chemicals Inc.

**Signature:**

Prepared by: Alice Date: Nov 05, 2026

Reviewed by: Koi Date: Nov 05, 2026

Approved by General Manager: David Date: Nov 05, 2026

CATO Research Chemicals Inc.