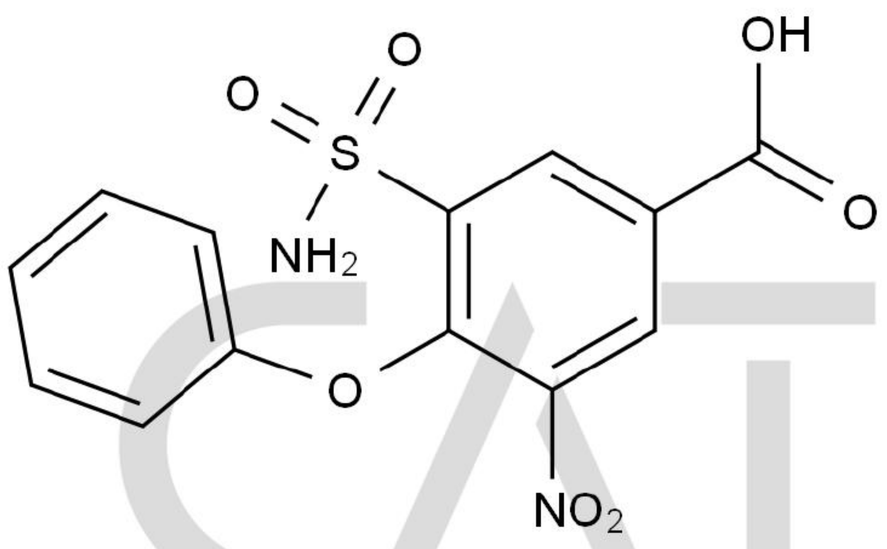
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Bumetanide EP Impurity A | **Catalogue Number:** | C4X-19861 |
| **Synonyms:** | N/A | **Lot Number:** | 0313-RG-0116 |
| **CAS Number:** | 28328-53-2 | **Expiry Date:** | Jul 16, 2029 |
| **Molecular Formula:** | $C_{13}H_{10}N_2O_7S$ | **Storage:** | 2°C ~ 8°C Protected from light and Sealed |
| **Molecular Weight:** | 338.29 | **Shipping Condition:** | Shipping at Room Temperature |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | Yellow Solid |
| **Identification** | LCMS&IR&HNMR | Confirmed |
| **Purity** | HPLC | 98.5% |
| **Assay** | qNMR | 97.4% |

CATO Research Chemicals Inc.

**Signature:**

Prepared by: Koi Date: Oct 13, 2026

Reviewed by: Lisa Date: Oct 13, 2026

Approved by General Manager: David Date: Oct 13, 2026

CATO Research Chemicals Inc.