# Certificate of Analysis

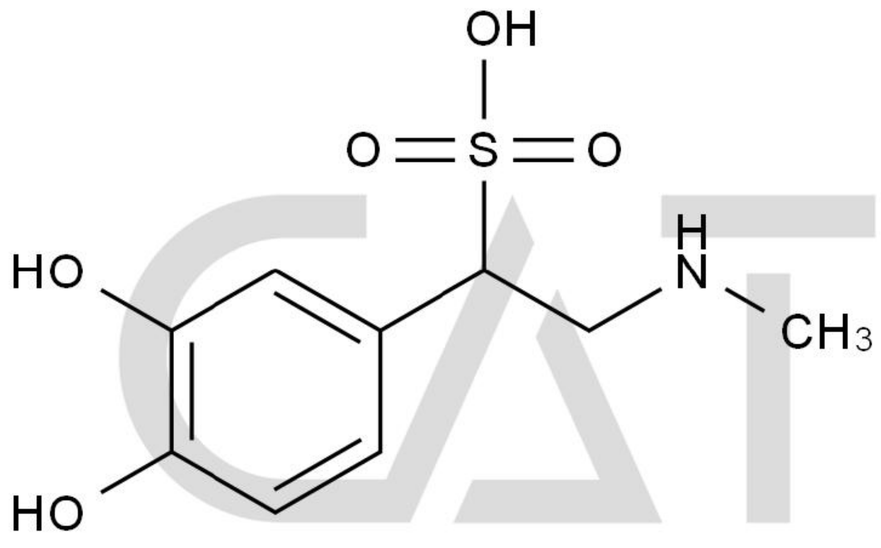
## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Rac-Adrenaline EP Impurity F (Epinephrine Sulfonic Acid) | **Catalogue Number:** | C4X-18496 |
| **Synonyms:** | N/A | **Lot Number:** | 0403-RH-0113 |
| **CAS Number:** | 26405-77-6 | **Expiry Date:** | Apr 02, 2030 |
| **Molecular Formula:** | $C_9H_{13}NO_5S$ | **Storage:** | 2°C ~ 8°C Protected from light and Sealed |
| **Molecular Weight:** | 247.27 | **Shipping Condition:** | Shipping at Room Temperature |

**Warning:**



**Chemical Structure:**




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| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | White Solid |
| **Identification** | LCMS&HNMR | Confirmed |
| **Purity** | HPLC | 99.7% |
| **Assay** | qNMR | 98.3% |

## Comment:

*Catalogue Number has been changed from "C4X-184931" to "C4X-18496". Therefore some of the graphs shown below were named by "C4X-184931" .*

**Signature:**

Prepared by: Koi  Date: May 12, 2026

Reviewed by: Lisa  Date: May 12, 2026

Approved by General Manager: David  Date: May 12, 2026

CATO Research Chemicals Inc.