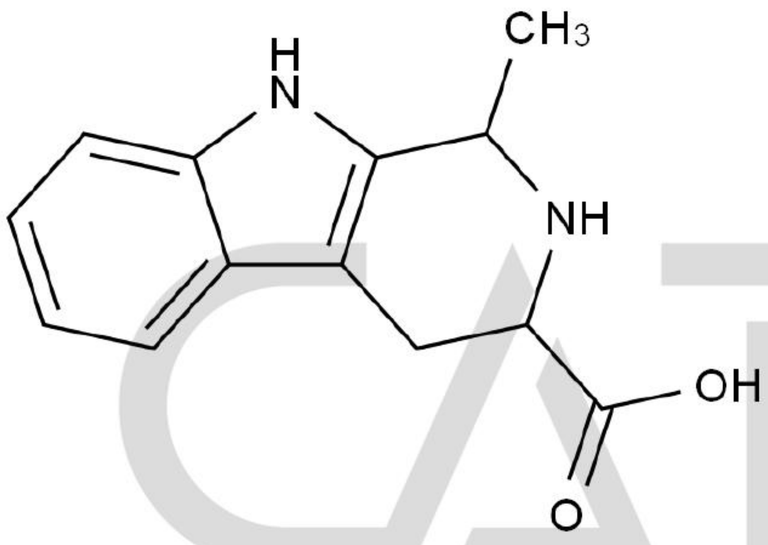
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Tryptophan EP Impurity I | **Catalogue Number:** | C4X-137319 |
| **Synonyms:** | N/A | **Lot Number:** | 0929-RH-0022 |
| **CAS Number:** | 5470-37-1 | **Expiry Date:** | Sep 27, 2030 |
| **Molecular Formula:** | $C_{13}H_{14}N_2O_2$ | **Storage:** | -20°C±5°C Protected from light and Sealed |
| **Molecular Weight:** | 230.26 | **Shipping Condition:** | Shipping with Ice Packs |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | Off-White Solid |
| **Identification** | LCMS&HNMR | Confirmed |
| **Purity** | HPLC | 98.9% |
| **Assay** | qNMR | 92.8% |

CATO Research Chemicals Inc.

**Signature:**

Prepared by: Koi  Date: Oct 08, 2026

Reviewed by: Lisa  Date: Oct 09, 2026

Approved by General Manager: David  Date: Oct 09, 2026

CATO Research Chemicals Inc.