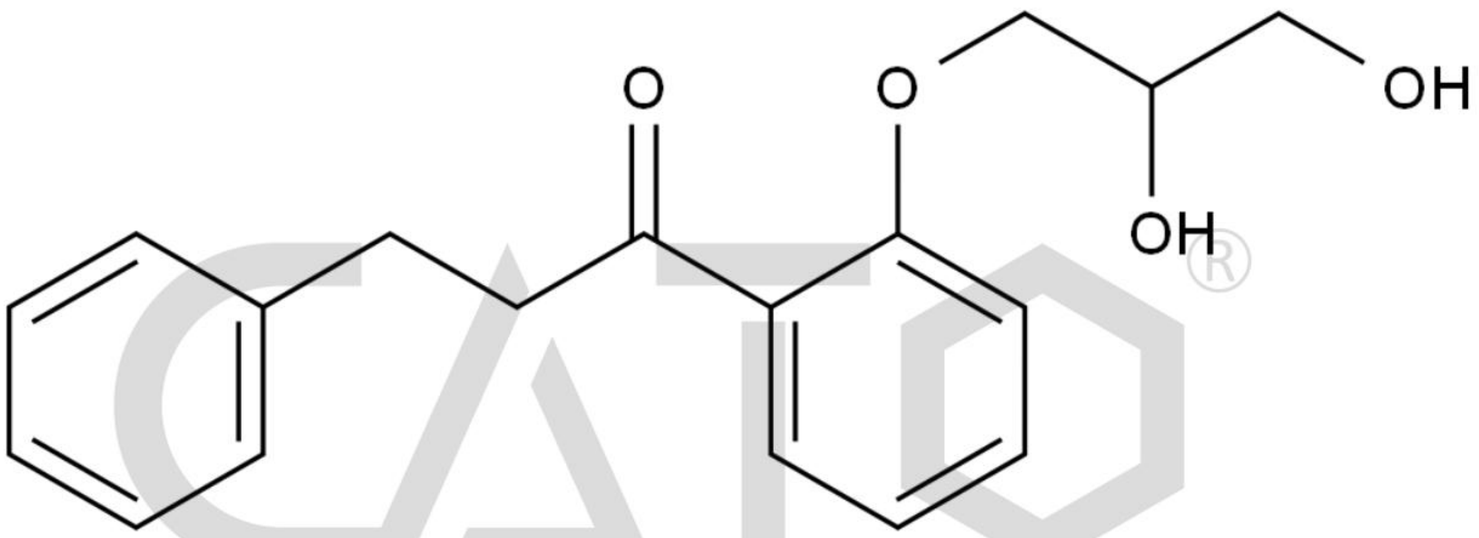
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Propafenone EP Impurity D | **Catalogue Number:** | C4X-13224 |
| **Synonyms:** | N/A | **Lot Number:** | 0902-RH-0080 |
| **CAS Number:** | 91401-73-9 | **Expiry Date:** | Aug 31, 2030 |
| **Molecular Formula:** | $C_{18}H_{20}O_4$ | **Storage:** | -20°C±5°C Protected from light and Sealed |
| **Molecular Weight:** | 300.35 | **Shipping Condition:** | Shipping with Ice Packs |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | White Solid |
| **Identification** | LCMS&HNMR | Confirmed |
| **Purity** | HPLC | 98.5358% |
| **Loss on Drying** | TGA | 1.198% |
| **Assay** | | 97.4% |

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## 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: Date: Sep 02, 2026

Reviewed by: Date: Sep 03, 2026

Approved by General Manager: Date: Sep 03, 2026

CATO Research Chemicals Inc.