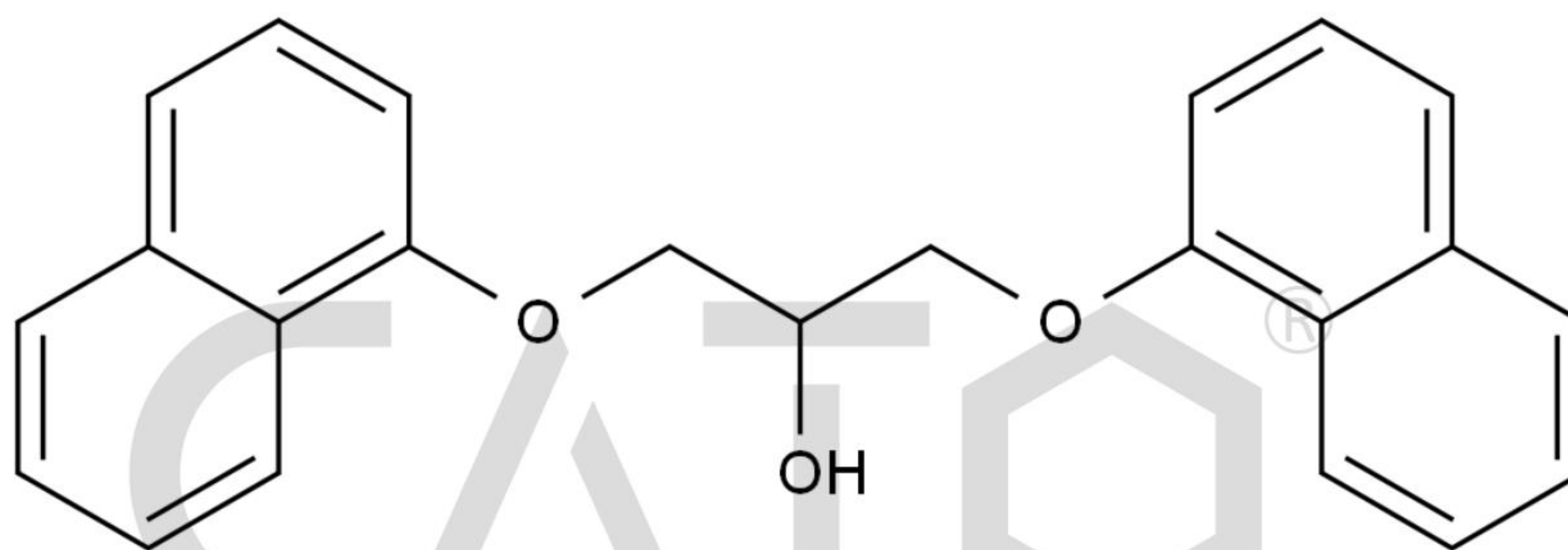


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                |                            |                                           |
|---------------------------|------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Propranolol EP Impurity C                      | <b>Catalogue Number:</b>   | C4X-15194                                 |
| <b>Synonyms:</b>          | Dinaphthyl glycerol                            | <b>Lot Number:</b>         | 0727-RH-0131                              |
| <b>CAS Number:</b>        | 17216-10-3                                     | <b>Expiry Date:</b>        | Aug 11, 2028                              |
| <b>Molecular Formula:</b> | C <sub>23</sub> H <sub>20</sub> O <sub>3</sub> | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 344.40                                         | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

Chemical Structure:



| Test Items        | Method            | Results                 |
|-------------------|-------------------|-------------------------|
| Appearance        | Visual inspection | Colourless Sticky Solid |
| Identification    | HRMS&IR&UV&HNMR   | Confirmed               |
| Purity            | HPLC              | 99.298%                 |
| Water Content     | Karl Fischer      | 0.59%                   |
| Residual Solvents | NMR               | 2.4% ethyl acetate      |
| Assay             |                   | 96.3%                   |

## Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) \* Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jul 28, 2026

Date: Jul 28, 2026

Date: Jul 28, 2026



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