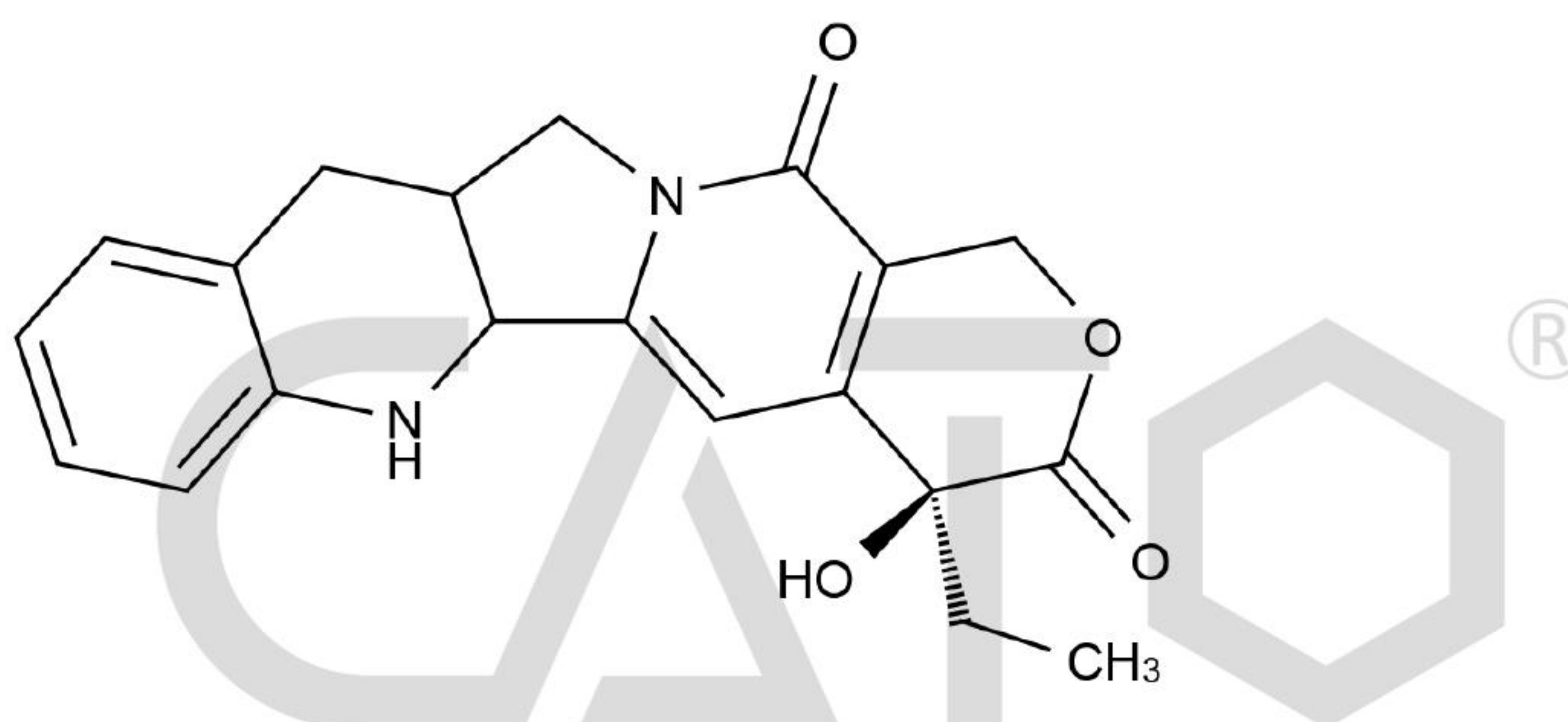


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                               |                            |                                           |
|---------------------------|---------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Camptothecin Impurity 16                                      | <b>Catalogue Number:</b>   | C4X-157116                                |
| <b>Synonyms:</b>          | N/A                                                           | <b>Lot Number:</b>         | 0417-RH-0056                              |
| <b>CAS Number:</b>        | 870527-52-9                                                   | <b>Expiry Date:</b>        | Mar 17, 2030                              |
| <b>Molecular Formula:</b> | C <sub>20</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub> | <b>Storage:</b>            | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 352.38                                                        | <b>Shipping Condition:</b> | Shipping with Ice Packs                   |

Chemical Structure:



| Test Items        | Method            | Results                                                                 |
|-------------------|-------------------|-------------------------------------------------------------------------|
| Appearance        | Visual inspection | Off-White Solid                                                         |
| Identification    | LCMS&UV&HNMR      | Confirmed                                                               |
| Purity            | HPLC              | 99.339%                                                                 |
| Water Content     | Karl Fischer      | 0.04%                                                                   |
| Residual Solvents | NMR               | 0.44% dichloromethane;<br>0.27% ethyl acetate and<br>1.18% acetonitrile |
| Assay             |                   | 97.4%                                                                   |

## 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:

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Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Apr 17, 2026

Date: Apr 20, 2026

Date: Apr 20, 2026



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