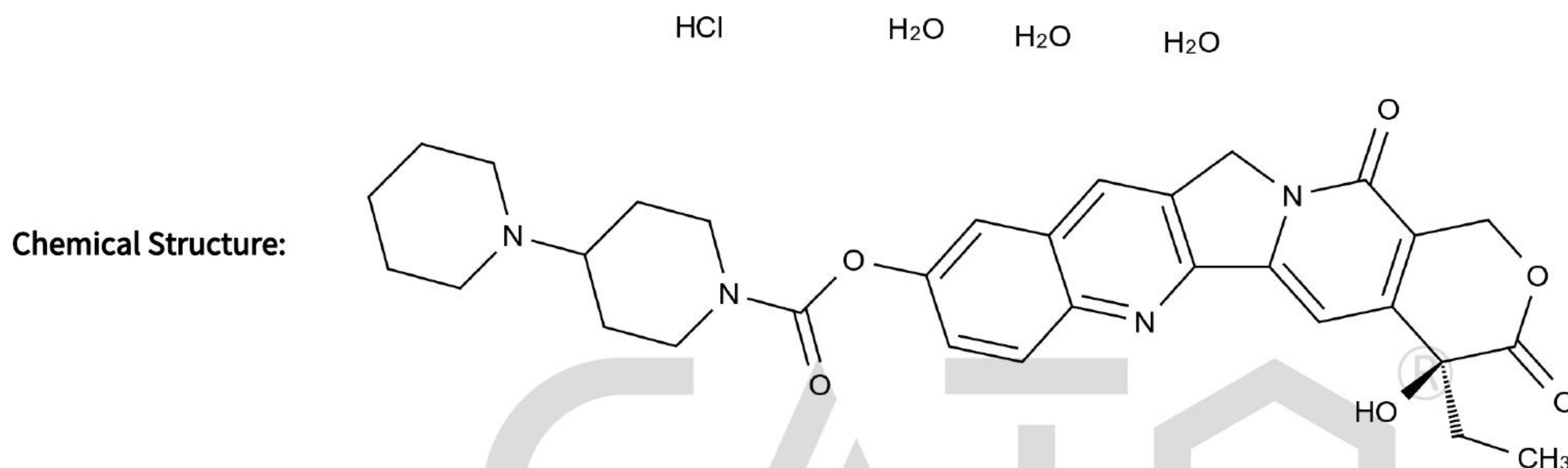


# Certificate of Analysis

## Reference Material

|                    |                                                                                      |                   |                                           |
|--------------------|--------------------------------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Irinotecan EP Impurity A HCl Trihydrate                                              | Catalogue Number: | C4X-166746                                |
| Chemical Name:     | N/A                                                                                  | Lot Number:       | 0928-RD-0011                              |
| CAS Number:        | 158406-44-1                                                                          | Expiry Date:      | Sep 01, 2024                              |
| Molecular Formula: | C <sub>31</sub> H <sub>34</sub> N <sub>4</sub> O <sub>6</sub> HCl 3*H <sub>2</sub> O | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 558.62 36.46 3*18.02                                                                 |                   |                                           |



| Test Items     | Method            | Results      |
|----------------|-------------------|--------------|
| Appearance     | Visual inspection | Yellow Solid |
| Identification | LCMS&IR&UV&HNMR   | Confirmed    |
| Purity         | HPLC              | 99.54%       |
| Loss On Drying | TGA               | 3.4250%      |
| Assay          |                   | 96.1%        |

## Comment:

The calculation of the 100% 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:

*Hinlam*

Reviewed by:

*Xenia*

Aporoved by General manager:

*David*

Date: Sep 06, 2022

Date: Oct 08, 2022

Date: Oct 08, 2022

