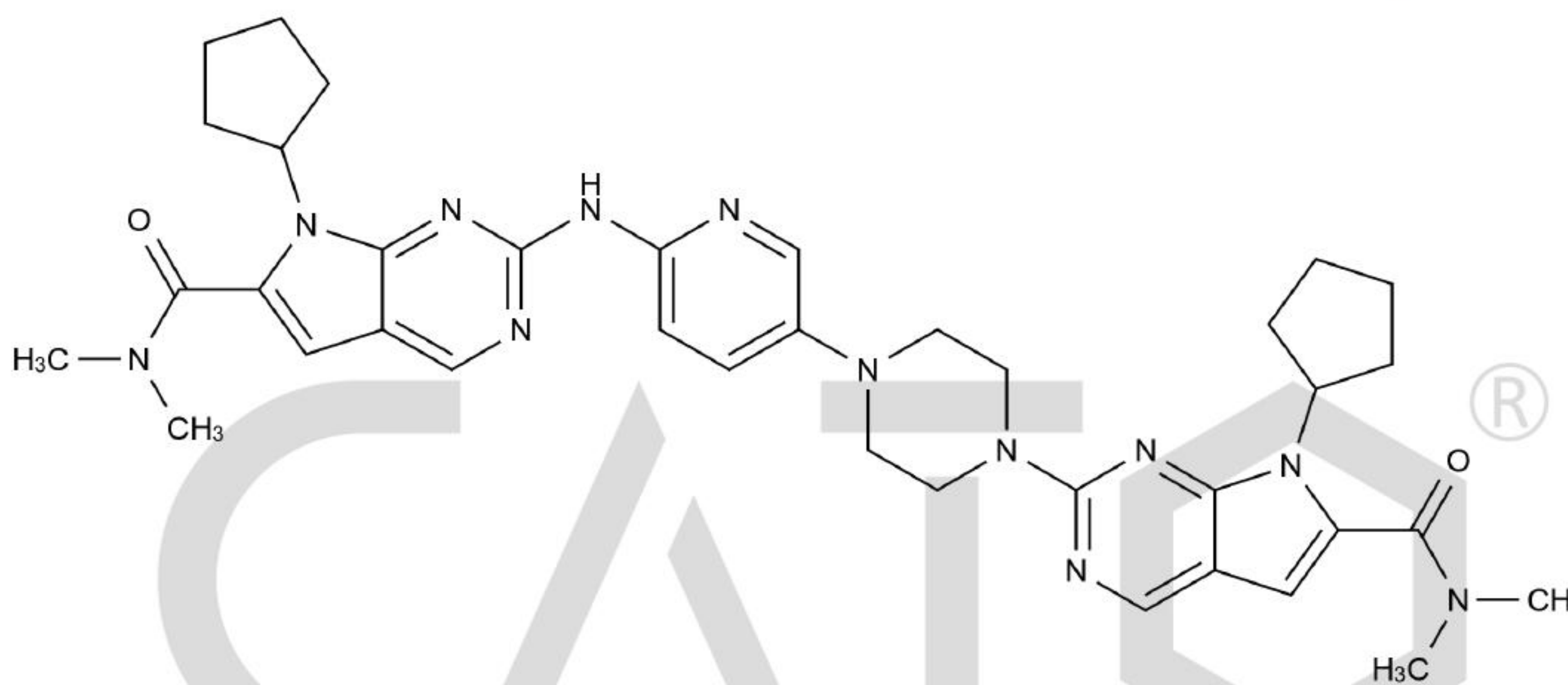


# Certificate of Analysis

## Reference Material & Standard

|                    |                        |                   |                                                                                     |
|--------------------|------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Ribociclib Impurity 11 | Catalogue Number: | C4X-310011                                                                          |
| Synonyms:          | N/A                    | Lot Number:       | 1111-RF-0021                                                                        |
| CAS Number:        | N/A                    | Expiry Date:      | Jul 30, 2027                                                                        |
| Molecular Formula: | C37H46N12O2            | Storage:          | 2°C ~ 8°C Protected from light and Sealed                                           |
| Molecular Weight:  | 690.84                 | Warning:          |  |

### Chemical Structure:



| Test Items        | Method            | Results             |
|-------------------|-------------------|---------------------|
| Appearance        | Visual inspection | Pale Yellow Solid   |
| Identification    | LCMS&HNMR         | Confirmed           |
| Purity            | HPLC              | 99.231%             |
| Water Content     | Karl Fischer      | 2.82%               |
| Residual Solvents | NMR               | Not detected in NMR |
| Assay             |                   | 96.4%               |

### Comment:

The calculation of the 100% 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:

*Lily*

Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Nov 12, 2024

Date: Nov 12, 2024

Date: Nov 12, 2024

