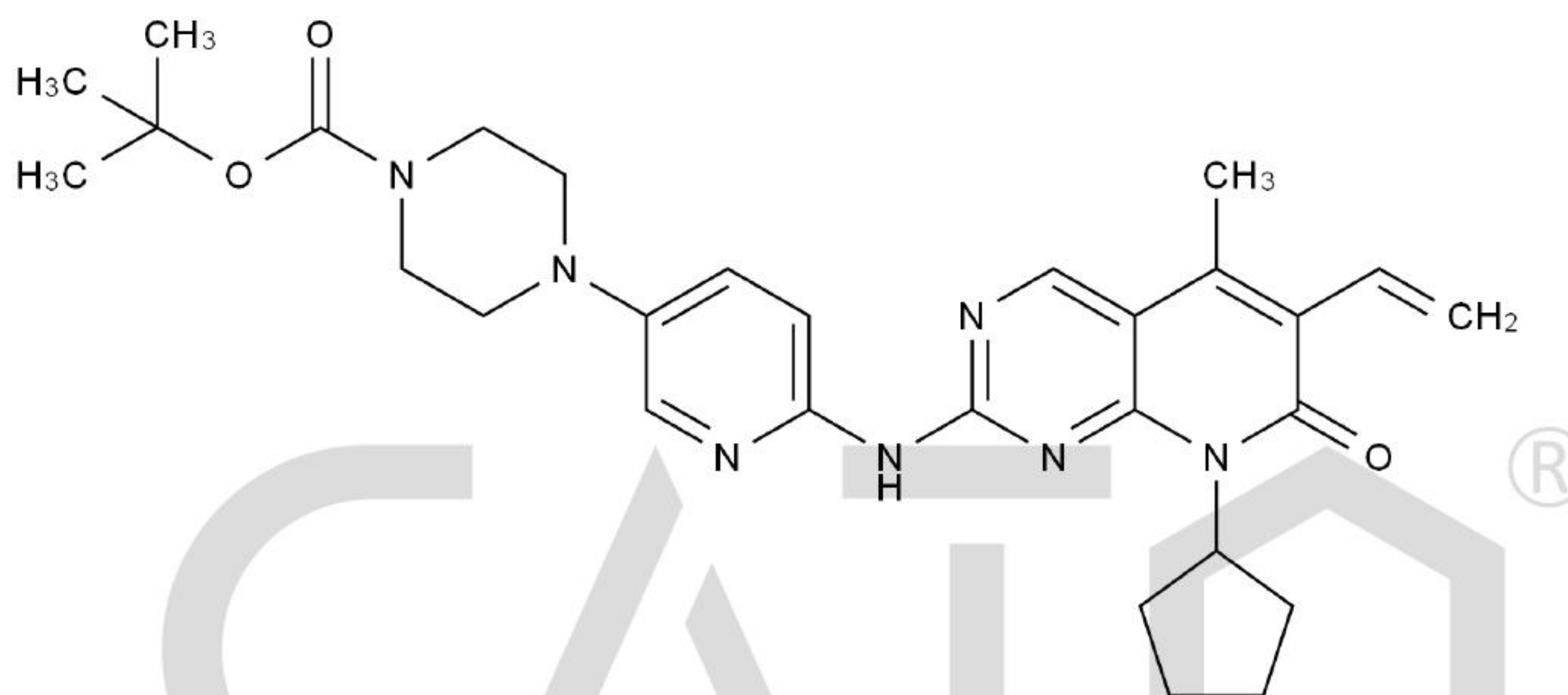


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                               |                   |                                           |
|--------------------|---------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Palbociclib Impurity 76                                       | Catalogue Number: | C4X-112576                                |
| Synonyms:          | N/A                                                           | Lot Number:       | 0411-RF-0059                              |
| CAS Number:        | 1941177-45-2                                                  | Expiry Date:      | Apr 15, 2027                              |
| Molecular Formula: | C <sub>29</sub> H <sub>37</sub> N <sub>7</sub> O <sub>3</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 531.65                                                        |                   |                                           |

## Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Light Green Solid |
| Identification | LCMS&HNMR         | Confirmed         |
| Purity         | HPLC              | 96.172%           |
| Loss On Drying | TGA               | 0.2876%           |
| Assay          |                   | 95.9%             |

## 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:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Apr 16, 2024

Date: Apr 16, 2024

Date: Apr 16, 2024

