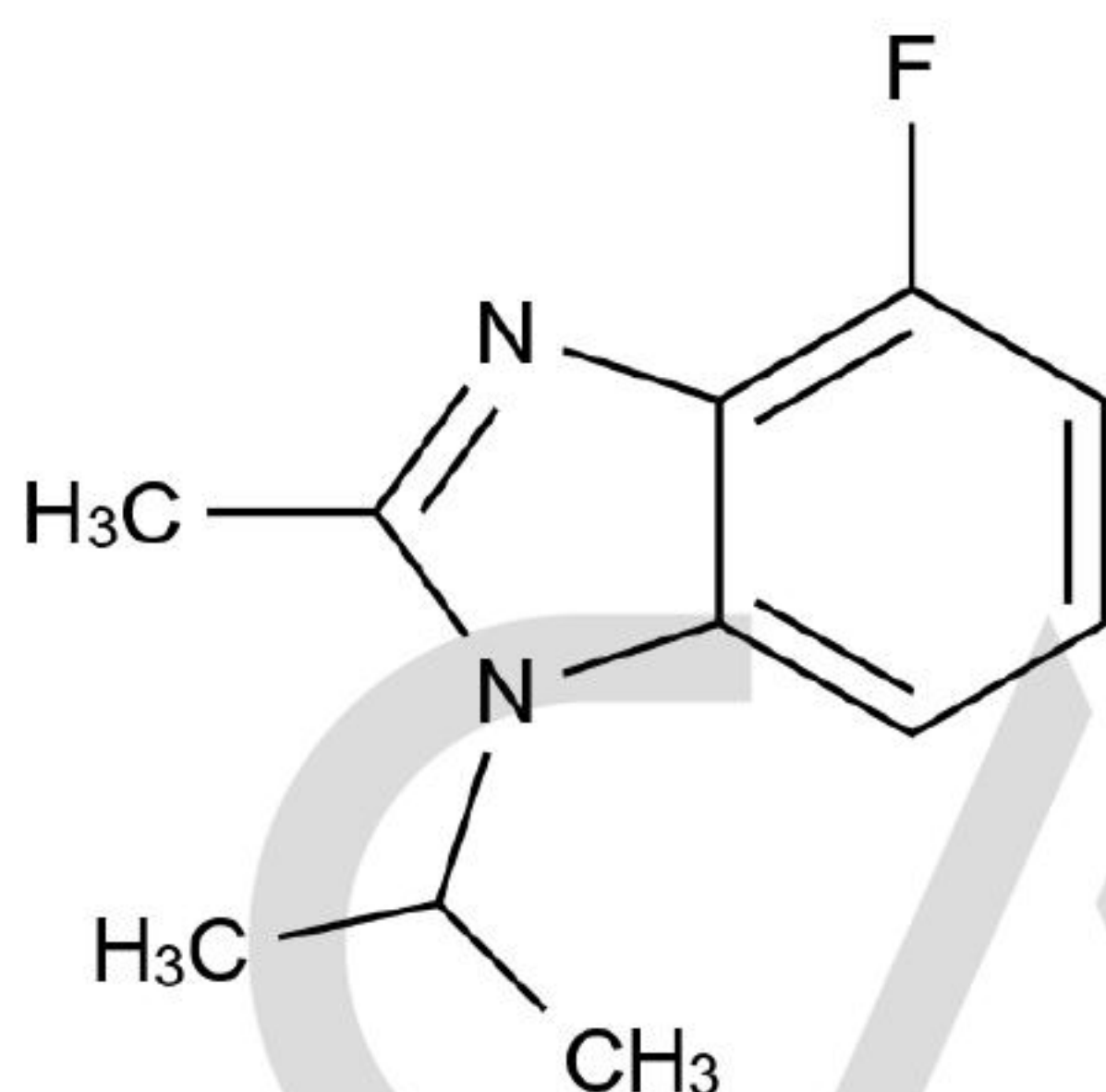


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                 |                   |                                                                                     |
|--------------------|-------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Abemaciclib Impurity 2                          | Catalogue Number: | C4X-29372                                                                           |
| Synonyms:          | N/A                                             | Lot Number:       | 0617-RF-0076                                                                        |
| CAS Number:        | 1528469-78-4                                    | Expiry Date:      | Aug 29, 2026                                                                        |
| Molecular Formula: | C <sub>11</sub> H <sub>13</sub> FN <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed                                           |
| Molecular Weight:  | 192.23                                          | Warning:          |  |

Chemical Structure:



| Test Items        | Method            | Results             |
|-------------------|-------------------|---------------------|
| Appearance        | Visual inspection | Off-White Solid     |
| Identification    | LCMS&HNMR         | Confirmed           |
| Purity            | HPLC              | 99.807%             |
| Water Content     | Karl Fischer      | 0.17%               |
| Residual Solvents | NMR               | Not detected in NMR |
| Assay             |                   | 99.6%               |

## 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:

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Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Jun 18, 2024

Date: Jun 18, 2024

Date: Jun 18, 2024

