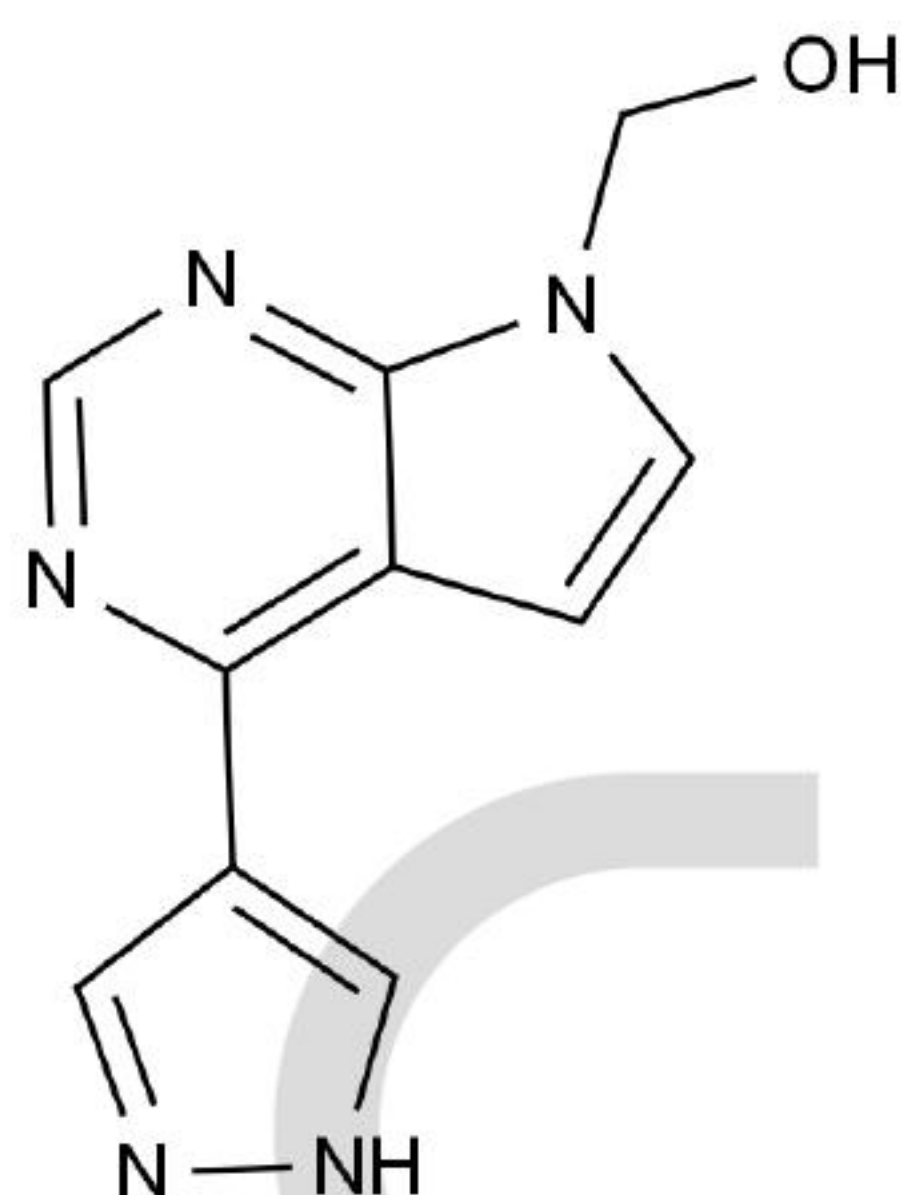


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                 |                          |                                           |
|---------------------------|-------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Baricitinib Impurity 9                          | <b>Catalogue Number:</b> | C4X-22609                                 |
| <b>Synonyms:</b>          | N/A                                             | <b>Lot Number:</b>       | 0620-RG-0044                              |
| <b>CAS Number:</b>        | N/A                                             | <b>Expiry Date:</b>      | Sep 10, 2026                              |
| <b>Molecular Formula:</b> | C <sub>10</sub> H <sub>9</sub> N <sub>5</sub> O | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 215.21                                          |                          |                                           |

Chemical Structure:



| Test Items        | Method            | Results             |
|-------------------|-------------------|---------------------|
| Appearance        | Visual inspection | White Solid         |
| Identification    | LCMS&UV&HNMR      | Confirmed           |
| Purity            | HPLC              | 99.963%             |
| Water Content     | Karl Fischer      | 7.30%               |
| Residual Solvents | NMR               | Not detected in NMR |
| Assay             |                   | 92.7%               |

## 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 20, 2025

Date: Jun 20, 2025

Date: Jun 20, 2025

