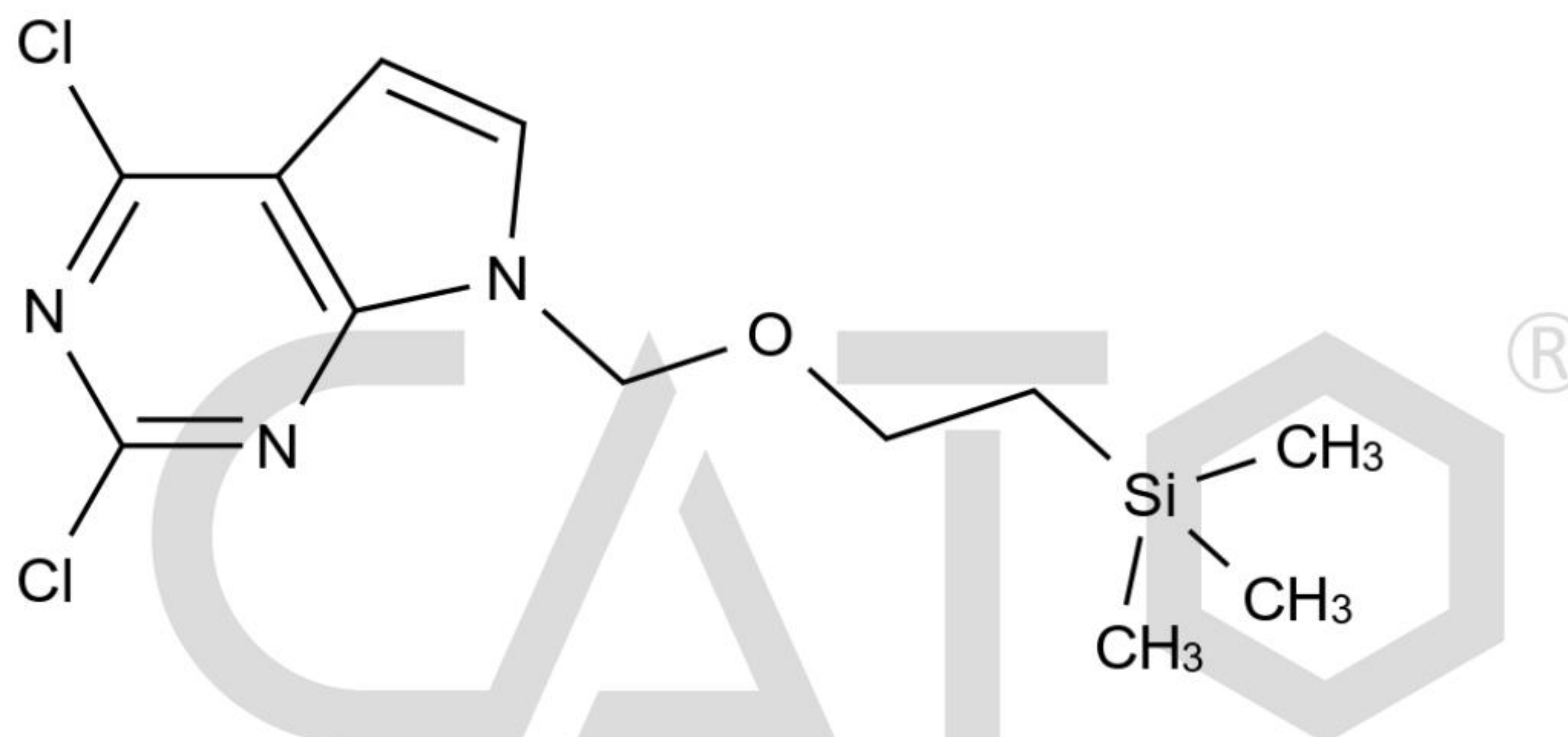


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                    |                          |                                                                                     |
|---------------------------|--------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| <b>Product Name:</b>      | Baricitinib Impurity N4                                            | <b>Catalogue Number:</b> | C1790604                                                                            |
| <b>Synonyms:</b>          | N/A                                                                | <b>Lot Number:</b>       | 0724-RG-0054                                                                        |
| <b>CAS Number:</b>        | 442847-52-1                                                        | <b>Expiry Date:</b>      | Jul 27, 2029                                                                        |
| <b>Molecular Formula:</b> | C <sub>12</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>3</sub> OSi | <b>Storage:</b>          | -20°C±5°C Protected from light and Sealed                                           |
| <b>Molecular Weight:</b>  | 318.27                                                             | <b>Warning:</b>          |  |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 100.000%    |
| Loss On Drying | TGA               | 0.9233%     |
| Assay          |                   | 99.1%       |

## 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:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Jul 28, 2025

Date: Jul 28, 2025

Date: Jul 28, 2025

