

# Certificate of Analysis

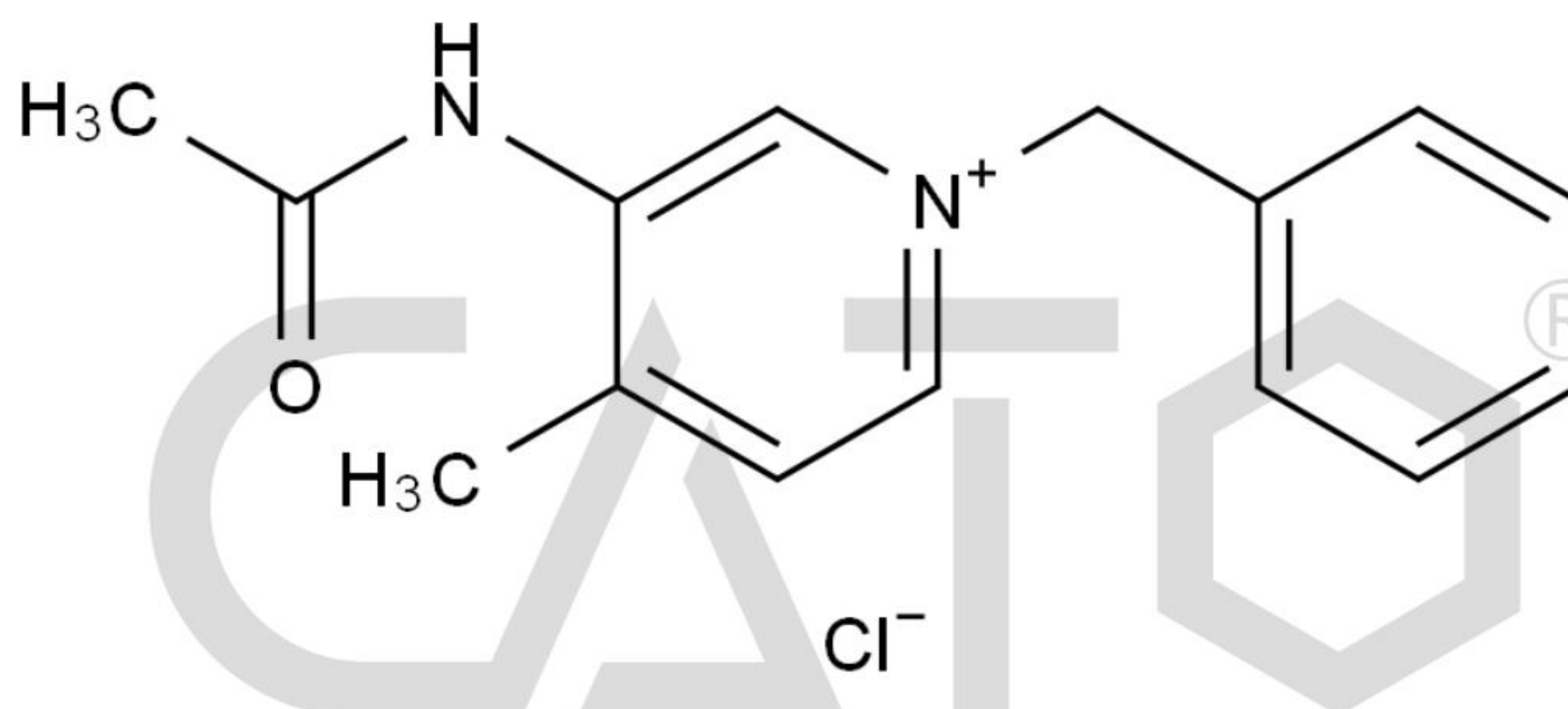
## Reference Material & Standard

|                    |                                                    |                     |                                           |
|--------------------|----------------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | Tofacitinib Impurity N48                           | Catalogue Number:   | CP120013                                  |
| Synonyms:          | N/A                                                | Lot Number:         | 0525-RH-0058                              |
| CAS Number:        | 1638499-35-0                                       | Expiry Date:        | May 26, 2030                              |
| Molecular Formula: | C <sub>15</sub> H <sub>17</sub> ClN <sub>2</sub> O | Storage:            | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 276.76                                             | Shipping Condition: | Shipping at Room Temperature              |

Warning:



Chemical Structure:



| Test Items     | Method            | Results            |
|----------------|-------------------|--------------------|
| Appearance     | Visual inspection | Light Yellow Solid |
| Identification | LCMS&HNMR         | Confirmed          |
| Purity         | HPLC              | 97.1%              |
| Assay          | qNMR              | 92.3%              |

Signature:

Prepared by:

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Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: May 27, 2026

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