

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT136009-01)

Release Date: 30/11/2024

Re-test Date: 29/11/2027

## N-Methyl Tofacitinib

### Identification

**Chemical Name :**

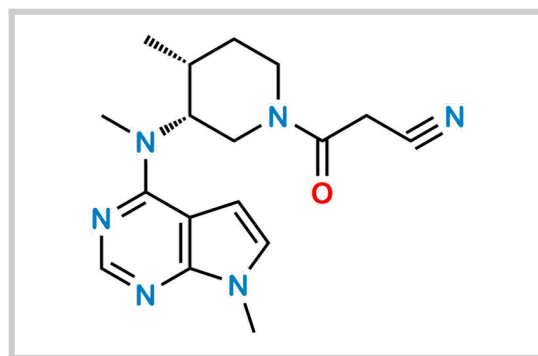
3-((3R,4R)-4-methyl-3-(methyl(7-methyl-7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)piperidin-1-yl)-3-oxopropanenitrile

CAT No. : KMT136009

CAS No. : NA

Molecular Formula : C<sub>17</sub>H<sub>22</sub>N<sub>6</sub>O

Molecular Weight : 326.4



### Analytical Information

Batch No. : T136009-091-046

Description : Off White Solid

HPLC Purity : 99.00 %

Weight Loss By TGA : 1.78 %

% Potency : 97.24 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

<sup>1</sup>H NMR : Confirm

### Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 1.78(Weight Loss By TGA)] x [99.00(HPLC Purity)]/100 = 97.24 %

Recommendation : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 30/11/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 30/11/2024 |

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA