# CERTIFICATE OF ANALYSIS

(Certificate No. KMT136006-01)

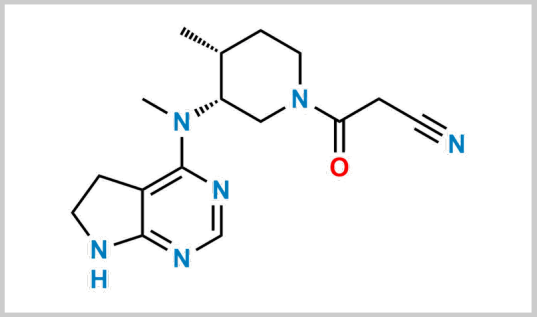
**Release Date:** 19/09/2026 **Re-test Date:** 18/09/2029

## 5,6-Dihydro Tofacitinib

## Identification

**Chemical Name** :
3-((3R,4R)-3-((6,7-Dihydro-5H-pyrrolo[2,3-d]pyrimidin-4-yl)(methyl)amino)-4-methylpiperidin-1-yl)-3-oxopropanenitrile

| | |
|---|---|
| **Alt. Name** | : Tofacitinib Dihydro Impurity |
| **CAT No.** | : KMT136006 |
| **CAS No.** | : 1640972-35-5 |
| **Molecular Formula** | : C16H22N6O |
| **Molecular Weight** | : 314.4 |




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : T136006-136 | **Solubility** | : Not Available |
| **Description** | : Not Available | **Mass** | : Should be Confirm |
| **HPLC Purity** | : >95.0 % | **IR** | : Should be Confirm |
| **Weight Loss By TGA** | : <1.0 % | **1H NMR** | : Should be Confirm |
| **% Potency** | : 94.05 % | | |

## 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 - 1.0(Weight Loss By TGA)] x [95.0(HPLC Purity)]/100 = 94.05 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 19/09/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 19/09/2026 |

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA