# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMT136101-01)

**Release Date:** 28/11/2024 **Re-test Date:** 27/11/2027

# **Tofacitinib KSM (DCT) Impurity Standard**

## **Identification**

#### **Chemical Name:**

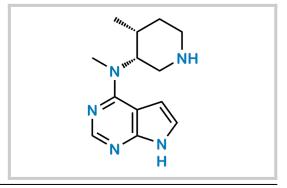
N-Methyl-N-((3R,4R)-4-methylpiperidin-3-yl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine

**CAT No.** : KMT136101

**CAS No.** : 477600-74-1

Molecular Formula : C13H19N5

**Molecular Weight** : 245.3



## **Analytical Information**

Batch No. : T136101-091-043 **Solubility** : Acetonitrile **Description** : White Solid **Mass** : Confirm **HPLC Purity** : 99.98 % IR : Confirm Weight Loss By TGA : 0.47 % 1H NMR : Confirm % Potency : 99.51 % **13C 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 - 0.47(Weight Loss By TGA)] x [99.98(HPLC Purity)]/100 = 99.51 %

**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, 1HNMR, 13CNMR, IR and TGA