

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 :

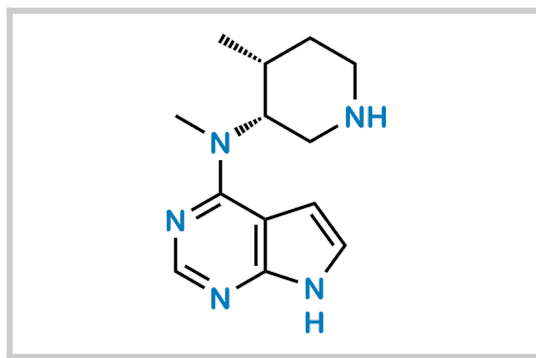
N-Methyl-N-((3R,4R)-4-methylpiperidin-3-yl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine

CAT No. : KMT136101

CAS No. : 477600-74-1

Molecular Formula : C₁₃H₁₉N₅

Molecular Weight : 245.3



Analytical Information

Batch No. : T136101-091-043

Description : White Solid

HPLC Purity : 99.98 %

Weight Loss By TGA : 0.47 %

% Potency : 99.51 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

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