

# CERTIFICATE OF ANALYSIS

(Certificate No. KMI004022-01)

Release Date: 18/09/2024

Re-test Date: 17/09/2027

## Imatinib EP Impurity C

### Identification

**Chemical Name :**

4-[Piperizinyl] methyl-N-[4-methyl-3-[(4-pyridinyl)-2-pyrimidinylamino]phenyl]benzamide

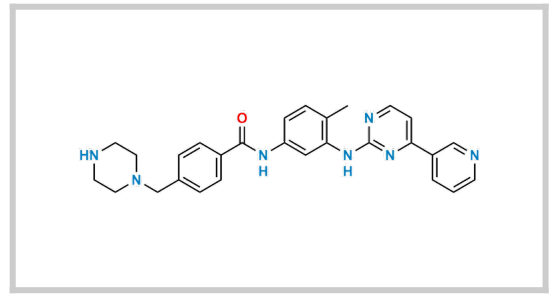
**Alt. Name** : N-Desmethyl Imatinib

**CAT No.** : KMI004022

**CAS No.** : 404844-02-6

**Molecular Formula** : C<sub>28</sub>H<sub>29</sub>N<sub>7</sub>O

**Molecular Weight** : 479.6



### Analytical Information

**Batch No.** : I004022-073-381

**Solubility** : Acetonitrile

**Description** : Yellow Thick Semi Solid

**Mass** : Confirm

**HPLC Purity** : 99.89 %

**IR** : Confirm

**% Potency** : 99.89 %

**<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 - ] x [99.89(HPLC Purity)]/100 = 99.89 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/09/2024
Reviewed & Approved By	Quality Control	Jatin Patel		18/09/2024

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