

# CERTIFICATE OF ANALYSIS

(Certificate No. KMI004032-01)

Release Date: 26/11/2024

Re-test Date: 25/11/2027

## Imatinib Impurity 3

### Identification

**Chemical Name :**

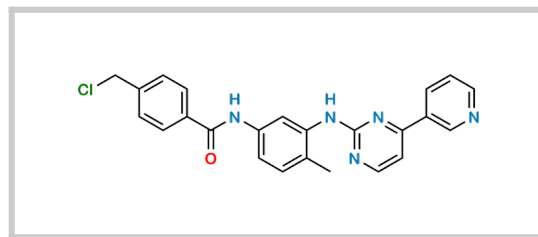
N-[4-Methyl-3-(4-pyridin-3-yl-pyrimidin-2-ylamino)-phenyl]-4-chloromethyl Benzamide; 4-Chloromethyl-N-[4-methyl-3-[[4-(pyridin-3-yl)pyrimidin-2-yl]amino]phenyl]benzamide; N-[5[[4-(Chloromethyl)benzoyl]amino]-2-methylphenyl]4-(3-pyridyl)-2-pyrimidine

CAT No. : KMI004032

CAS No. : 404844-11-7

Molecular Formula : C<sub>24</sub>H<sub>20</sub>ClN<sub>5</sub>O

Molecular Weight : 429.9



### Analytical Information

Batch No. : I004032-091-040

Description : Light Yellow Solid

HPLC Purity : 94.15 %

Weight Loss By TGA : 0.56 %

% Potency : 93.62 %

Solubility : Methanol :MDC (1:1)

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 - 0.56(Weight Loss By TGA)] x [94.15(HPLC Purity)]/100 = 93.62 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/11/2024
Reviewed & Approved By	Quality Control	Jatin Patel		26/11/2024

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