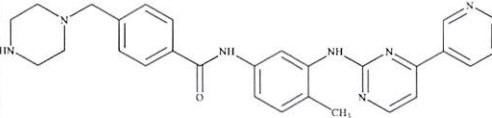


## Certificate of Analysis



Certificate No.: **20250806015**

Date: August 6, 2025

Retest date: August 6, 2028

<b>Compound Name:</b>		<b>Imatinib EP Impurity C (N-Desmethyl Imatinib)</b>	
<b>Synonyms:</b>	<i>N</i> -(4-methyl-3-((4-(pyridin-3-yl)pyrimidin-2-yl)amino)phenyl)-4-(piperazin-1-ylmethyl)benzamide		
<b>TLC Catalogue Number:</b>	I-093		
<b>CAS Number:</b>	404844-02-6		
<b>Alternate CAS Number:</b>	N/A		
<b>Molecular Weight:</b>	479.59		
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>29</sub> N <sub>7</sub> O		
<b>Source:</b>	TLC Pharmaceutical Standards		
<b>Source Lot No.:</b>	1083-075A1		
<b>Storage Conditions:</b>	Store at 2-8 °C		
<b>Solubility:</b>	Methanol, DMSO		

Test Description	Specifications	Results
<b>Visual Description</b>	Pale yellow solid	<b>Conforms</b>
<b>Identification</b>		
<b>IR</b>	Conforms to structure	<b>Conforms</b>
<b>MS</b>	Conforms to structure	<b>Conforms</b>
<b><sup>1</sup>H NMR</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.9%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Water Content (KF)</b>	N/A	<b>2.9%</b>
<b>Residual Solvents (NMR)</b>	0.7% isopropanol and 0.2% dichloromethane	
<b>Assay (%)</b>	Not less than 90.0%	<b>96.1%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		08/06/2025
Approved by:	Quality Assurance		08/06/2025

**Attachments:** Peak Attribution Table, HPLC, IR, MS and NMR spectra.