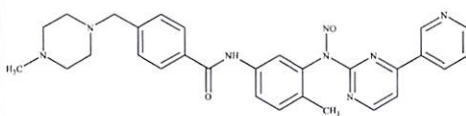


## Certificate of Analysis



Certificate No.: 20260604008

Date: June 4, 2026

Retest date: June 2, 2027

<b>Compound Name:</b>	<b><i>N</i>-Nitroso Imatinib</b>	
<b>Synonyms:</b>	<i>N</i> -(4-methyl-3-(nitroso(4-(pyridin-3-yl)pyrimidin-2-yl)amino)phenyl)-4-((4-methylpiperazin-1-yl)methyl)benzamide	
<b>TLC Catalogue Number:</b>	I-0963	
<b>CAS Number:</b>	N/A	
<b>Alternate CAS Number:</b>	N/A	
<b>Molecular Weight:</b>	522.61	
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>30</sub> N <sub>8</sub> O <sub>2</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	7380-095A18	
<b>Storage Conditions:</b>	Store at -20 °C	
<b>Solubility:</b>	Methanol, DMSO	

Test Description	Specifications	Results
<b>Visual Description</b>	Yellow solid	<b>Conforms</b>
<b>Identification</b> MS <sup>1</sup> H NMR	Conforms to structure Conforms to structure	<b>Conforms</b> <b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 90.0%	<b>93.2%</b>
<b>Impurity (HPLC)</b>	RT 4.00, 6.58%; RT 11.20, 0.10%	
<b>Water Content (KF)</b>	N/A	<b>1.6%</b>
<b>Residual Solvents (NMR)</b>	3.2% isopropyl ether and 2.0% <i>n</i> -hexane	
<b>Assay (%)</b>	Not less than 85.0%	<b>86.9%</b>
<b>Recommendation:</b>	<b>Release.</b> The compound is an <i>N</i> -Nitroso product. Avoid using metal spatula and applying pressure. Wear proper personal protective equipment when handling. It is unstable in solution. It contains 6.6% Imatinib (RT 4.00, TLC No. I-091) according to its HPLC and LC-MS.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/04/2026
Approved by:	Quality Assurance		06/04/2026

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