

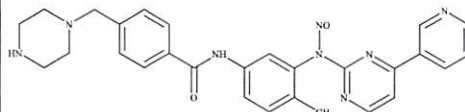
Certificate of Analysis

Certificate No.: **20260526003**

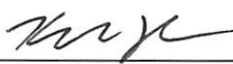

Date: May 26, 2026

Retest date: November 20, 2026

Compound Name: <i>N</i> -Nitroso Imatinib EP Impurity C-1	
Synonyms:	<i>N</i> -(4-methyl-3-(nitroso(4-(pyridin-3-yl)pyrimidin-2-yl)amino)phenyl)-4-(piperazin-1-ylmethyl)benzamide
TLC Catalogue Number:	I-0964
CAS Number:	N/A
Alternate CAS Number:	N/A
Molecular Weight:	508.59
Molecular Formula:	C ₂₈ H ₂₈ N ₈ O ₂
Source:	TLC Pharmaceutical Standards
Source Lot No.:	7387-072A2
Storage Conditions:	Protect from light and air, store at -20 °C
Solubility:	Methanol, DMSO



Test Description	Specifications	Results
Visual Description	Pale yellow solid	Conforms
Identification		
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 90.0%	97.1%
Impurity (HPLC)	RT 5.96, 1.42%; RT 11.38, 0.21%; RT 16.63, 1.22%	
Residual Solvents (NMR)	8.2% methanol and 0.1% dichloromethane	
Assay (qNMR)	Not less than 60.0%	64.9%
Recommendation:	Release. 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 and can easily deteriorate. It should be stored as the storage condition stated in COA, and to be used immediately upon received. Due to the stability issue, this item is more suitable for qualitative applications than for quantitative purposes.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		05/26/2026
Approved by:	Quality Assurance		05/26/2026

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