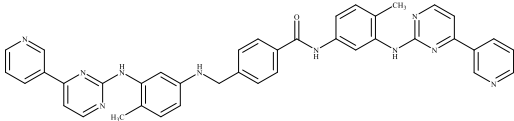


Certificate of Analysis

Certificate No.: 20211203012

Date: December 3, 2021

Retest date: November 26, 2024

Compound Name:	Imatinib Impurity 31	
Synonyms:	<i>N</i> -(4-methyl-3-((4-(pyridin-3-yl)pyrimidin-2-yl)amino)phenyl)-4-(((4-methyl-3-((4-(pyridin-3-yl)pyrimidin-2-yl)amino)phenyl)amino)methyl)benzamide	
TLC Catalogue Number:	I-0944	
CAS Number:	N/A	
Molecular Weight:	670.78	
Molecular Formula:	C ₄₀ H ₃₄ N ₁₀ O	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	4754-021A7	
Storage Conditions:	Store at 2-8 °C	
Solubility:	DMSO, DMF	

Test Description	Specifications	Results
Visual Description	Yellow solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	96.3%
Impurity (HPLC)	RT 12.37, 1.10%; RT 17.07, 0.67%; RT 17.98, 0.68%	
Water Content (KF)	N/A	0.3%
Residual Solvents (NMR)	1.3% dimethylformamide	
Assay (%)	Not less than 90.0%	94.8%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		
Approved by:	Quality Assurance		

Attachments: HPLC, IR, MS and NMR spectra.