

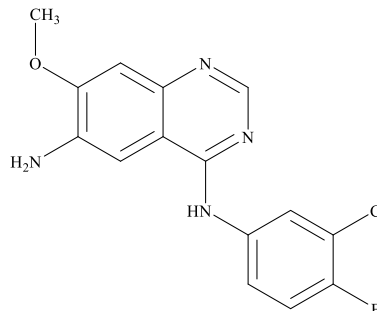
Certificate of Analysis

Certificate No.: 20200630032

Date: June 30, 2020

Retest date: June 24, 2023

Compound Name: Dacomitinib Impurity 1	
Synonyms:	<i>N</i> ⁴ -(3-chloro-4-fluorophenyl)-7-methoxyquinazoline-4,6-diamine
TLC Catalogue Number:	D-212004
CAS Number:	179552-75-1
Molecular Weight:	318.74
Molecular Formula:	C ₁₅ H ₁₂ ClFN ₄ O
Source:	TLC Pharmaceutical Standards
Source Lot No.:	3965-006A4
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%	99.9%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.6%
Residual Solvents (NMR)	0.3% dimethylformamide	
Assay (%)	Not less than 90.0%	99.0%
Recommendation:	Released.	

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

Attachments: HPLC, IR, MS and NMR spectra.