

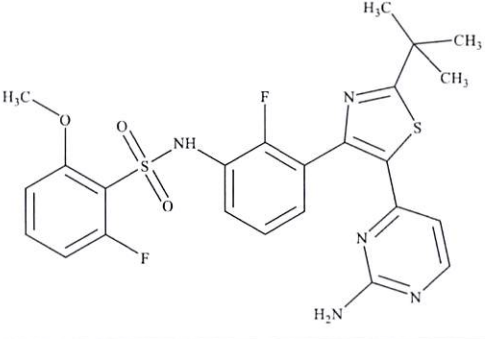
Certificate of Analysis

Certificate No.: 20250718514


Date: July 18, 2025

Retest date: July 14, 2028

Compound Name: Dabrafenib Impurity 38	
Synonyms:	<i>N</i> -(3-(5-(2-aminopyrimidin-4-yl)-2-(<i>tert</i> -butyl)thiazol-4-yl)-2-fluorophenyl)-2-fluoro-6-methoxybenzenesulfonamide
TLC Catalogue Number:	D-108041
CAS Number:	N/A
Alternate CAS Number:	N/A
Molecular Weight:	531.60
Molecular Formula:	C ₂₄ H ₂₃ F ₂ N ₅ O ₃ S ₂
Source:	TLC Pharmaceutical Standards
Source Lot No.:	C0214-071A7
Storage Conditions:	Store at 2-8 °C
Solubility:	DMSO



Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.0%
Impurity (HPLC)	RT 6.65, 0.18%; RT 18.19, 0.56%; RT 19.43, 0.25%	
Water Content (KF)	N/A	0.4%
Residual Solvents (NMR)	0.6% dichloromethane	
Assay (%)	Not less than 90.0%	98.0%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		07/18/2025
Approved by:	Quality Assurance		07/18/2025

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