

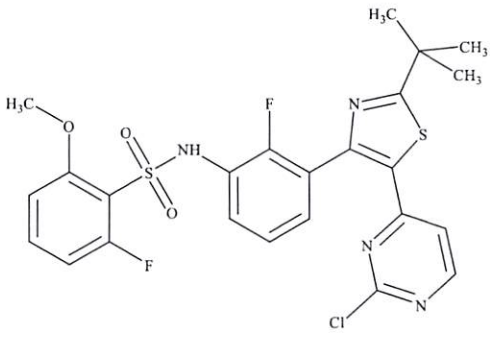
Certificate of Analysis

Certificate No.: 20250626013



Date: June 26, 2025

Retest date: June 17, 2028

Compound Name: Dabrafenib Impurity 37	
Synonyms:	<i>N</i> -(3-(2-(<i>tert</i> -butyl)-5-(2-chloropyrimidin-4-yl)thiazol-4-yl)-2-fluorophenyl)-2-fluoro-6-methoxybenzenesulfonamide
TLC Catalogue Number:	D-108040
CAS Number:	N/A
Alternate CAS Number:	N/A
Molecular Weight:	551.02
Molecular Formula:	C ₂₄ H ₂₁ ClF ₂ N ₄ O ₃ S ₂
Source:	TLC Pharmaceutical Standards
Source Lot No.:	6923-013A2
Storage Conditions:	Store at 2-8 °C
Solubility:	Solution of Methanol and Acetonitrile, DMSO



Test Description	Specifications	Results
Visual Description	White to off-white 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%	96.5%
Impurity (HPLC)	RT 1.58, 0.50%; RT 11.53, 1.51%; RT 11.77, 1.00%	
Water Content (KF)	N/A	0.1%
Residual Solvents (NMR)	0.5% methanol and 0.3% tetrahydrofuran	
Assay (%)	Not less than 90.0%	95.6%
Recommendation:	Release. The compound contains 1.5% M+34 impurity (RT 11.53) according to its HPLC and LC-MS.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/27/2025
Approved by:	Quality Assurance		06/27/2025

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