

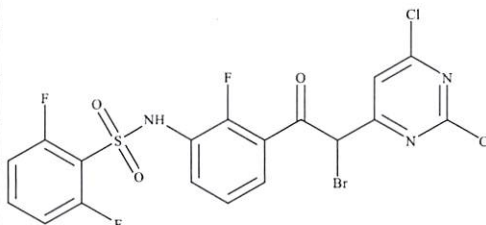
Certificate of Analysis

Certificate No.: **20250722002**



Date: July 22, 2025

Retest date: July 18, 2026

Compound Name: Dabrafenib Impurity 32	
Synonyms:	<i>N</i> -(3-(2-bromo-2-(2,6-dichloropyrimidin-4-yl)acetyl)-2-fluorophenyl)-2,6-difluorobenzenesulfonamide
TLC Catalogue Number:	D-108035
CAS Number:	N/A
Alternate CAS Number:	N/A
Molecular Weight:	555.15
Molecular Formula:	C ₁₈ H ₉ BrCl ₂ F ₃ N ₃ O ₃ S
Source:	TLC Pharmaceutical Standards
Source Lot No.:	6926-060A4
Storage Conditions:	Store at -20 °C
Solubility:	Methanol, DMSO, Acetonitrile



Test Description	Specifications	Results
Visual Description	Pale 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 90.0%	98.0%
Impurity (HPLC)	RT 18.70, 0.56%; RT 18.99, 1.35%; RT 30.52, 0.10%	
Residual Solvents (NMR)	0.1% formic acid and 0.1% acetonitrile	
Assay (qNMR)	Not less than 85.0%	95.9%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		07/22/2025
Approved by:	Quality Assurance		07/22/2025

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