

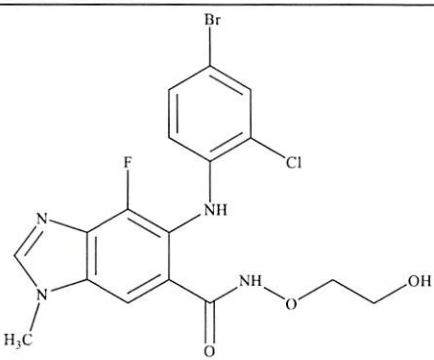
Certificate of Analysis

Certificate No.: **20250617014**



Date: June 17, 2025

Retest date: June 5, 2028

Compound Name: Selumetinib	
Synonyms:	5-((4-bromo-2-chlorophenyl)amino)-4-fluoro- <i>N</i> -(2-hydroxyethoxy)-1-methyl-1 <i>H</i> -benzo[<i>d</i>]imidazole-6-carboxamide
TLC Catalogue Number:	S-256003
CAS Number:	606143-52-6
Alternate CAS Number:	943332-08-9 (Sulfate salt)
Molecular Weight:	457.68
Molecular Formula:	C ₁₇ H ₁₅ BrClFN ₄ O ₃
Source:	TLC Pharmaceutical Standards
Source Lot No.:	6683-093A1
Storage Conditions:	Store at 2-8 °C
Solubility:	DMSO, DMF



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%	100.0%
Impurity (HPLC)	N/A	
Residual Solvents (NMR)	0.6% dimethylformamide	
Assay (qNMR)	Not less than 90.0%	96.7%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/17/2025
Approved by:	Quality Assurance		06/17/2025

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