

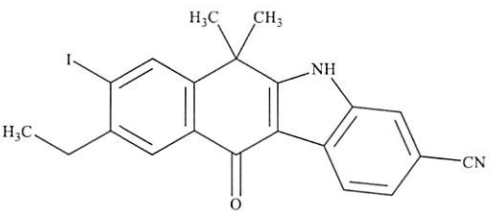
Certificate of Analysis

Certificate No.: **20250811003**



Date: August 11, 2025

Retest date: August 6, 2028

Compound Name: Alectinib Impurity 34	
Synonyms:	9-ethyl-8-iodo-6,6-dimethyl-11-oxo-6,11-dihydro-5H-benzo[b]carbazole-3-carbonitrile
TLC Catalogue Number:	A-239046
CAS Number:	1256584-80-1
Alternate CAS Number:	N/A
Molecular Weight:	440.28
Molecular Formula:	C ₂₁ H ₁₇ IN ₂ O
Source:	TLC Pharmaceutical Standards
Source Lot No.:	6902-097A2
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
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.8%
Impurity (HPLC)	RT 4.21, 0.11%	
Water Content (KF)	N/A	0.2%
Residual Solvents (NMR)	0.3% methanol and 0.3% tetrahydrofuran	
Assay (%)	Not less than 90.0%	99.0%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		08/11/2025
Approved by:	Quality Assurance		08/11/2025

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