

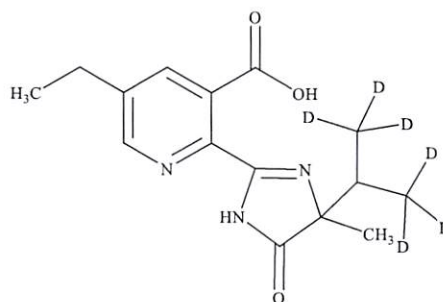
Certificate of Analysis

Certificate No.: 20260617507



Date: June 17, 2026

Retest date: June 16, 2029

Compound Name: Imazethapyr-d ₆	
Synonyms:	5-ethyl-2-(4-methyl-5-oxo-4-(propan-2-yl-1,1,1,3,3,3-d ₆)-1H-imidazol-2-yl)pyridine-3-carboxylic acid
TLC Catalogue Number:	I-071003
CAS Number:	N/A
Alternate CAS Number:	81335-77-5 (non-labelled)
Molecular Weight:	295.37
Molecular Formula:	C ₁₅ H ₁₃ D ₆ N ₃ O ₃
Source:	TLC Pharmaceutical Standards
Source Lot No.:	C0276-063A2
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO



Test Description	Specifications	Results
Visual Description	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%	99.9%
Impurity (HPLC)	N/A	
Isotopic Enrichment	Not less than 98.0%	98.7%
Water Content (KF)	N/A	0.2%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	99.7%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/17/2026
Approved by:	Quality Assurance		06/17/2026

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