

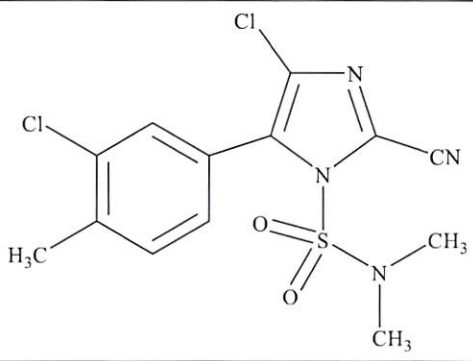
Certificate of Analysis

Certificate No.: 20250718515


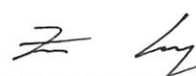
Date: July 18, 2025

Retest date: July 14, 2028

Compound Name: Cyazofamid Impurity 4	
Synonyms:	4-chloro-5-(3-chloro-4-methylphenyl)-2-cyano- <i>N,N</i> -dimethyl-1 <i>H</i> -imidazole-1-sulfonamide
TLC Catalogue Number:	C-383006
CAS Number:	120117-83-1
Alternate CAS Number:	N/A
Molecular Weight:	359.23
Molecular Formula:	C ₁₃ H ₁₂ Cl ₂ N ₄ O ₂ S
Source:	TLC Pharmaceutical Standards
Source Lot No.:	C0231-051A2
Storage Conditions:	Store at 2-8 °C
Solubility:	Acetonitrile



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%	99.3%
Impurity (HPLC)	RT 7.75, 0.39%	
Water Content (KF)	N/A	0.1%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	99.2%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		07/18/2025
Approved by:	Quality Assurance		07/18/2025

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