

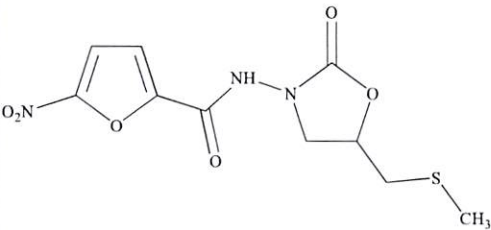
Certificate of Analysis

Certificate No.: **20250625020**



Date: June 25, 2025

Retest date: June 20, 2028

Compound Name: Nifuratel Impurity 5	
Synonyms:	N-(5-((methylthio)methyl)-2-oxooxazolidin-3-yl)-5-nitrofuran-2-carboxamide
TLC Catalogue Number:	N-478
CAS Number:	2745115-86-8
Alternate CAS Number:	N/A
Molecular Weight:	301.27
Molecular Formula:	C ₁₀ H ₁₁ N ₃ O ₆ S
Source:	TLC Pharmaceutical Standards
Source Lot No.:	6875-024A7
Storage Conditions:	Store at 2-8 °C
Solubility:	DMSO, Acetonitrile



Test Description	Specifications	Results
Visual Description	Pale yellow 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%	100.0%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.1%
Residual Solvents (NMR)	0.1% dichloromethane and 0.2% methanol	
Assay (%)	Not less than 90.0%	99.6%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/25/2025
Approved by:	Quality Assurance		06/25/2025

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