

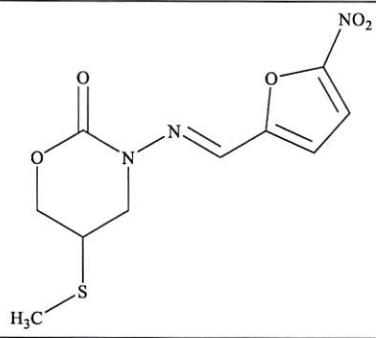
Certificate of Analysis

Certificate No.: **20260129009**



Date: January 29, 2026

Retest date: January 28, 2029

Compound Name: Nifuratel Impurity 21	
Synonyms:	(E)-5-(methylthio)-3-(((5-nitrofuran-2-yl)methylene)amino)-1,3-oxazinan-2-one
TLC Catalogue Number:	N-4724
CAS Number:	N/A
Alternate CAS Number:	N/A
Molecular Weight:	285.27
Molecular Formula:	C ₁₀ H ₁₁ N ₃ O ₅ S
Source:	TLC Pharmaceutical Standards
Source Lot No.:	4049-030A4
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO, DMF, Acetonitrile



Test Description	Specifications	Results
Visual Description	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%	99.8%
Impurity (HPLC)	RT 15.20, 0.18%	
Water Content (KF)	N/A	0.4%
Residual Solvents (NMR)	0.1% methanol and 0.3% dichloromethane	
Assay (%)	Not less than 90.0%	99.0%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		01/29/2026
Approved by:	Quality Assurance		01/29/2026

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