

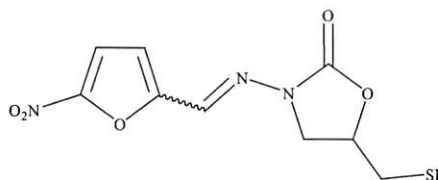
Certificate of Analysis

Certificate No.: 20260604510

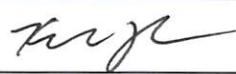

Date: June 4, 2026

Retest date: June 2, 2029

Compound Name: Nifuratel Impurity 3	
Synonyms:	5-(mercaptomethyl)-3-(((5-nitrofuran-2-yl)methylene)amino)oxazolidin-2-one
TLC Catalogue Number:	N-476
CAS Number:	34143-33-4
Alternate CAS Number:	N/A
Molecular Weight:	271.25
Molecular Formula:	C ₉ H ₉ N ₃ O ₅ S
Source:	TLC Pharmaceutical Standards
Source Lot No.:	2809-087A2
Storage Conditions:	Protect from air, store at -20 °C
Solubility:	THF



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%	97.2%
Impurity (HPLC)	RT 17.58, 0.92%; RT 24.39, 0.75%; RT 24.82, 0.77%	
Residual Solvents (NMR)	0.4% acetonitrile and 0.3% ethyl acetate	
Assay (qNMR)	Not less than 90.0%	97.8%
Recommendation:	Release. The compound is unstable in solution.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/04/2026
Approved by:	Quality Assurance		06/04/2026

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