

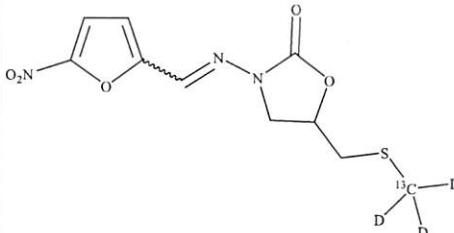
## Certificate of Analysis

Certificate No.: **20260401508**



Date: April 1, 2026

Retest date: March 30, 2029

<b>Compound Name:</b> Nifuratel- <sup>13</sup> C-d <sub>3</sub>	
<b>Synonyms:</b>	5-(((methyl- <sup>13</sup> C-d <sub>3</sub> )thio)methyl)-3-(((5-nitrofuran-2-yl)methylene)amino)oxazolidin-2-one
<b>TLC Catalogue Number:</b>	N-4742
<b>CAS Number:</b>	N/A
<b>Alternate CAS Number:</b>	4936-47-4 (non-labelled)
<b>Molecular Weight:</b>	289.28
<b>Molecular Formula:</b>	C <sub>9</sub> <sup>13</sup> CH <sub>8</sub> D <sub>3</sub> N <sub>3</sub> O <sub>5</sub> S
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	5440-075A4
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Solution of Methanol and Acetonitrile, DMSO



Test Description	Specifications	Results
<b>Visual Description</b>	Orange solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.1%</b>
<b>Impurity (HPLC)</b>	RT 18.25, 0.52%; RT 21.70, 0.21%	
<b>Isotopic Enrichment</b>	Not less than 98.0%	<b>99.5% D; 99.0% <sup>13</sup>C</b>
<b>Water Content (KF)</b>	N/A	<b>0.1%</b>
<b>Residual Solvents (NMR)</b>	0.2% ethyl acetate and 0.1% acetonitrile	
<b>Assay (%)</b>	Not less than 90.0%	<b>98.7%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		04/01/2026
Approved by:	Quality Assurance		04/01/2026

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