

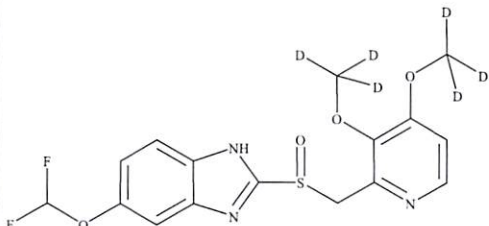
## Certificate of Analysis

Certificate No.: **20250805501**



Date: August 5, 2025

Retest date: July 31, 2028

<b>Compound Name:</b> Pantoprazole-d <sub>6</sub>	
<b>Synonyms:</b>	2-(((3,4-bis(methoxy-d <sub>3</sub> )pyridin-2-yl)methyl)sulfinyl)-5-(difluoromethoxy)-1H-benzo[d]imidazole
<b>TLC Catalogue Number:</b>	P-0118
<b>CAS Number:</b>	922727-65-9
<b>Alternate CAS Number:</b>	102625-70-7 (non-labelled)
<b>Molecular Weight:</b>	389.41
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>9</sub> D <sub>6</sub> F <sub>2</sub> N <sub>3</sub> O <sub>4</sub> S
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	1653-021A2
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, DMSO



Test Description	Specifications	Results
<b>Visual Description</b>	Off-white 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>Elemental Analysis</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.7%</b>
<b>Impurity (HPLC)</b>	RT 9.59, 0.15%	
<b>Isotopic Enrichment</b>	Not less than 98.0%	<b>99.9%</b>
<b>Residual Solvents (NMR)</b>	0.1% isopropanol	
<b>Assay (qNMR)</b>	Not less than 90.0%	<b>98.5%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		08/05/2025
Approved by:	Quality Assurance		08/05/2025

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