

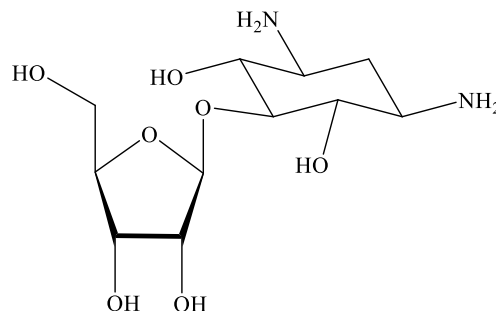
# Certificate of Analysis

Certificate No.: 20210902006

Date: September 2, 2021

Retest date: August 20, 2024

<b>Compound Name:</b> Neomycin Impurity 3	
<b>Synonyms:</b>	(2S,3R,4S,5R)-2-(((1r,2R,3S,5R,6S)-3,5-diamino-2,6-dihydroxycyclohexyl)oxy)-5-(hydroxymethyl)tetrahydrofuran-3,4-diol
<b>TLC Catalogue Number:</b>	N-080012
<b>CAS Number:</b>	58096-76-7
<b>Molecular Weight:</b>	294.30
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>22</sub> N <sub>2</sub> O <sub>7</sub>
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	C0046-012A2
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, DMSO, Water



Test Description	Specifications	Results
<b>Visual Description</b>	Off-white solid	<b>Conforms</b>
<b>Identification</b>		
<b>IR</b>	Conforms to structure	<b>Conforms</b>
<b>MS</b>	Conforms to structure	<b>Conforms</b>
<b><sup>1</sup>H NMR</b>	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>100.0%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Water Content (KF)</b>	N/A	<b>7.1%</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (%)</b>	Not less than 90.0%	<b>92.9%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		
Approved by:	Quality Assurance		

**Attachments:** HPLC, IR, MS and NMR spectra.