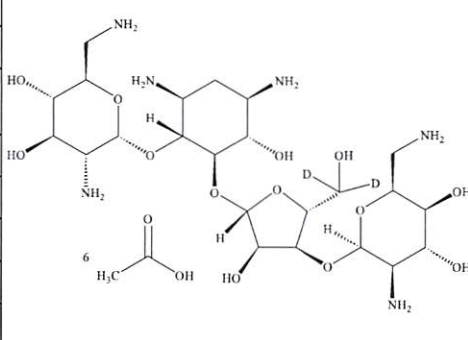


Certificate of Analysis



Certificate No.: 20250519011-2

Date: May 19, 2025

Retest date: May 12, 2028

Compound Name:	Neomycin B-d₂ Hexaacetate Salt (Framycetin-d₂ Hexaacetate Salt)	
Synonyms:	(2S,3S,4R,5R,6R)-5-amino-2-(aminomethyl)-6-(((2R,3S,4R,5S)-5-(((1R,2R,3S,5R,6S)-3,5-diamino-2-(((2R,3R,4R,5S,6R)-3-amino-6-(aminomethyl)-4,5-dihydroxytetrahydro-2H-pyran-2-yl)oxy)-6-hydroxycyclohexyl)oxy)-4-hydroxy-2-(hydroxymethyl-d ₂)tetrahydrofuran-3-yl)oxy)tetrahydro-2H-pyran-3,4-diol, acetate (1:6)	
TLC Catalogue Number:	N-080021	
CAS Number:	N/A	
Alternate CAS Number:	119-04-0 (non-labelled, free base)	
Molecular Weight:	616.66 6*60.05	
Molecular Formula:	C ₂₃ H ₄₄ D ₂ N ₆ O ₁₃ . 6 C ₂ H ₄ O ₂	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	6755-098A3	
Storage Conditions:	Hygroscopic, store at 2-8 °C	
Solubility:	Methanol, DMSO, Water	

Test Description	Specifications	Results
Visual Description	Pale 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)	N/A	
Isotopic Enrichment	Not less than 98.0%	99.0%
Residual Solvents (NMR)	No residual solvent	
Assay (qNMR)	Not less than 80.0%	85.3%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		12/10/2025
Approved by:	Quality Assurance		12/10/2025

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