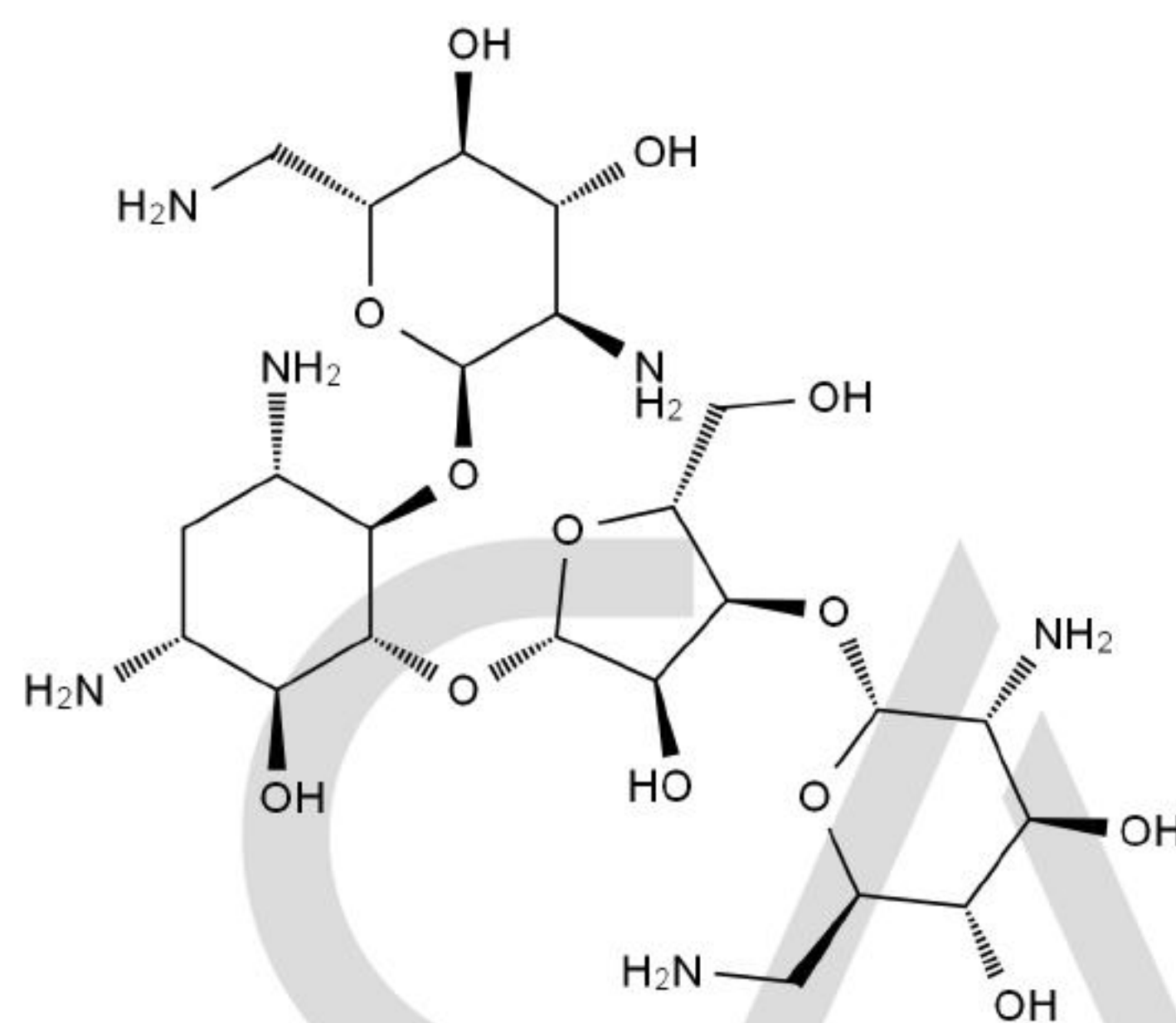


Certificate of Analysis

Reference Material & Standard

Product Name:	Neomycin EP Impurity C	Catalogue Number:	C4X-18453
Synonyms:	N/A	Lot Number:	0922-RH-0008
CAS Number:	66-86-4	Expiry Date:	Mar 30, 2030
Molecular Formula:	C ₂₃ H ₄₆ N ₆ O ₁₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	614.64	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	ELSD	99.9505%
Water Content	Karl Fischer	9.00%
Residual Solvents	NMR	Not detected in NMR
Specific Rotation		[α] _D ^{25.0} (c=0.34,0.01N H ₂ SO ₄ (aq)): +90.3°
Assay		91.0%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity ELSD (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Sep 22, 2026

Date: Sep 23, 2026

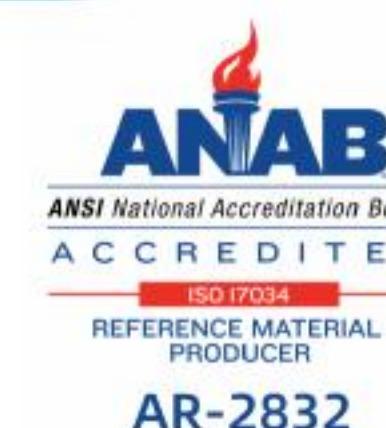
Date: Sep 23, 2026

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