



CERTIFICATE OF ANALYSIS

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1. Identification

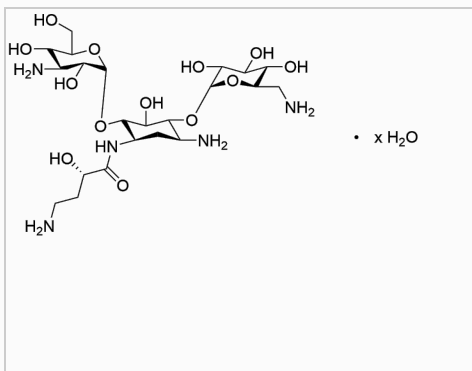
Catalogue Number: A212775

CAS Number: 1257517-67-1

Product: Amikacin Hydrate

Synonym:

Structure:



Molecular Formula:

$C_{22}H_{43}N_5O_{13} \cdot xH_2O$

Molecular weight:

585.60 + x(18.02)

Source of Product:

N/A

Solubility:

Methanol (Slightly, Sonicated),
Water (Sparingly, Sonicated)

Lot Number: 18-SBL-25-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 41.17, %H: 7.77, %N: 10.71
Water Content	Report Result	8.8% by Karl Fischer
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.16% (ELSD)
Specific Rotation	Report Result	+89.4° (c = 0.2, Water)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Christina Gouliaras	8/19/2021	8/17/2025