



CERTIFICATE OF ANALYSIS

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1. Identification

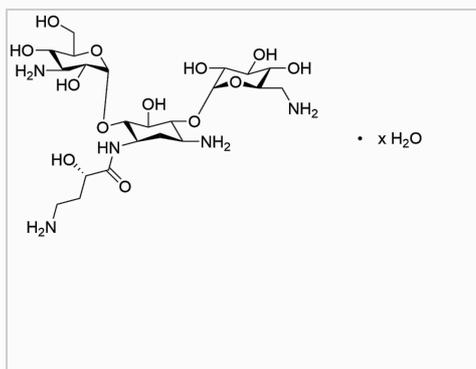
Catalogue Number: A212775

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: 2023-PVA-122

Purity: 98%

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:
NMR	Conforms to Structure	Conforms
Water Content	Report Result	7.8% by Karl Fischer
Elemental Analysis	Conforms	%C: 40.84, %H: 7.67, %N: 10.90
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+86.7° (c = 0.1, Water)
Appearance	White to Off-White Solid	White Solid
HPLC Purity	Report Result	99.97% (ELSD)

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 ± 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	Chanell Chu	4/5/2023	4/3/2027