



CERTIFICATE OF ANALYSIS

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1. Identification

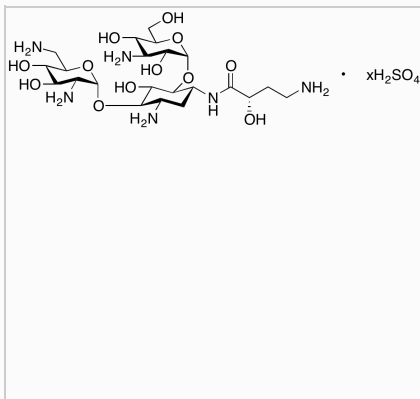
Catalogue Number: A578515

CAS Number: NA

Synonym: O-3-Amino-3-deoxy-α-D-glucopyranosyl-(1→6)-O-[2,6-diamino-2,6-dideoxy-α-D-glucopyranosyl-(1→4)]-N1-[(2S)-4-amino-2-hydroxy-1-oxobutyl]-2-deoxy-D-streptamine
Amikacin B Sulfate; 1-N-[(S)-4-Amino-2-hydroxybutyryl]kanamycin B Amikacin B Sulfate; BB-K26 Amikacin B Sulfate; Habekacin Amikacin B Sulfate; Amikacin EP Impurity H Sulfate

Product: Amikacin B Sulfate

Structure:



Molecular Formula:

$C_{22}H_{44}N_6O_{12} \cdot xH_2SO_4$

Molecular weight:

584.62 + x(98.07)

Source of Product:

Synthetic

Solubility:

Aqueous Acid (Slightly),
Methanol (Slightly), Water
(Slightly, Sonicated)

Lot Number: 20-SBK-77-2

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Brown Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 30.02, %H: 6.19, %N: 9.37
MS	Conforms to Structure	Conforms
Sulfate Content	Report Result	26.43% by Ion Chromatography
HPLC Purity	Report Result	98.06% (ELSD)
Specific Rotation	Report Result	+72.2° (c = 0.1, Water)
Water Content	Report Result	~5.2% based on Elemental Analysis

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
Swathi Reddy	Toni Rantanen	Chanell Chu	1/25/2022	1/23/2026
				