



CERTIFICATE OF ANALYSIS

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1. Identification

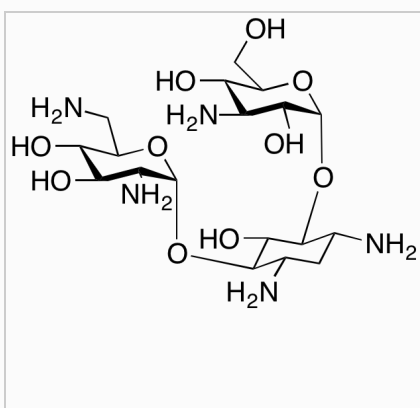
Catalogue Number: K137523

CAS Number: 4696-76-8

Product: Kanamycin B

Synonym: O-3-Amino-3-deoxy- α -D-glucopyranosyl-(1 \rightarrow 6)-O-[2,6-diamino-2,6-dideoxy- α -D-glucopyranosyl-(1 \rightarrow 4)]-2-deoxy-D-streptamine; 2'-Amino-2'-deoxykanamycin; Aminodeoxykanamycin; Beckanamycin; Bekanamycin; KDM; Kanendomycin; NK 1006; Nebramycin V; Nebramycin Factor 5;

Structure:



Molecular Formula:

$C_{18}H_{37}N_5O_{10}$

Molecular weight:

483.52

Source of Product:

N/A

Solubility:

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

Lot Number: 17-SBL-142-1

Purity: 95%

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: 40.96, %H: 8.10, %N: 13.15
Appearance	White to Pale Yellow Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Water Content	Report Result	8.5% by Karl Fischer
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+141.7° (c = 0.2, Water; 4 Hours)
HPLC Purity	Report Result	100.00% (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 $\pm 2\%$. 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	Chanell Chu	7/13/2021	7/11/2025
				