Certificate of Analysis

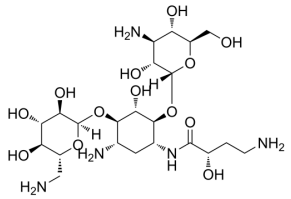
Amikacin

Cat. No.:	HY-B0509A
CAS No.:	37517-28-5
Batch No.:	325024
Chemical Name:	D-Streptamine, O-3-amino-3-deoxy-α-D-glucopyranosyl-(1→6)-O-[6-amino-6-deoxy-α-D-glucopyranosyl-(1→4)]-N1-[(2S)-4-amino-2-hydroxy-1-oxobutyl]-2-deoxy-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{22}H_{43}N_5O_{13}$		
Molecular Weight:	**585.60**		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
^{1}H NMR Spectrum:	Consistent with structure
Purity (HPLC):	**99.40%**
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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