Certificate of Analysis

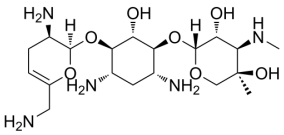
Sisomicin (sulfate)

Cat. No.:	HY-B1222
CAS No.:	53179-09-2
Batch No.:	24538
Chemical Name:	D-Streptamine, O-3-deoxy-4-C-methyl-3-(methylamino)-β-L-arabinopyranosyl-(1→6)-O-[2,6-diamino-2,3,4,6-tetradeoxy-α-D-glycero-hex-4-enopyranosyl-(1→4)]-2-deoxy-, sulfate (2:5)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{19}H_{37}N_5O_7$. 5/2 H_2SO_4
Molecular Weight:	**692.72**
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chemical Structure:



$2.5H_2SO_4$

ANALYTICAL DATA

Appearance:	White to off-white (Solid)
^{1}H NMR Spectrum:	Consistent with structure
Purity (NMR):	**≥98.0%**
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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