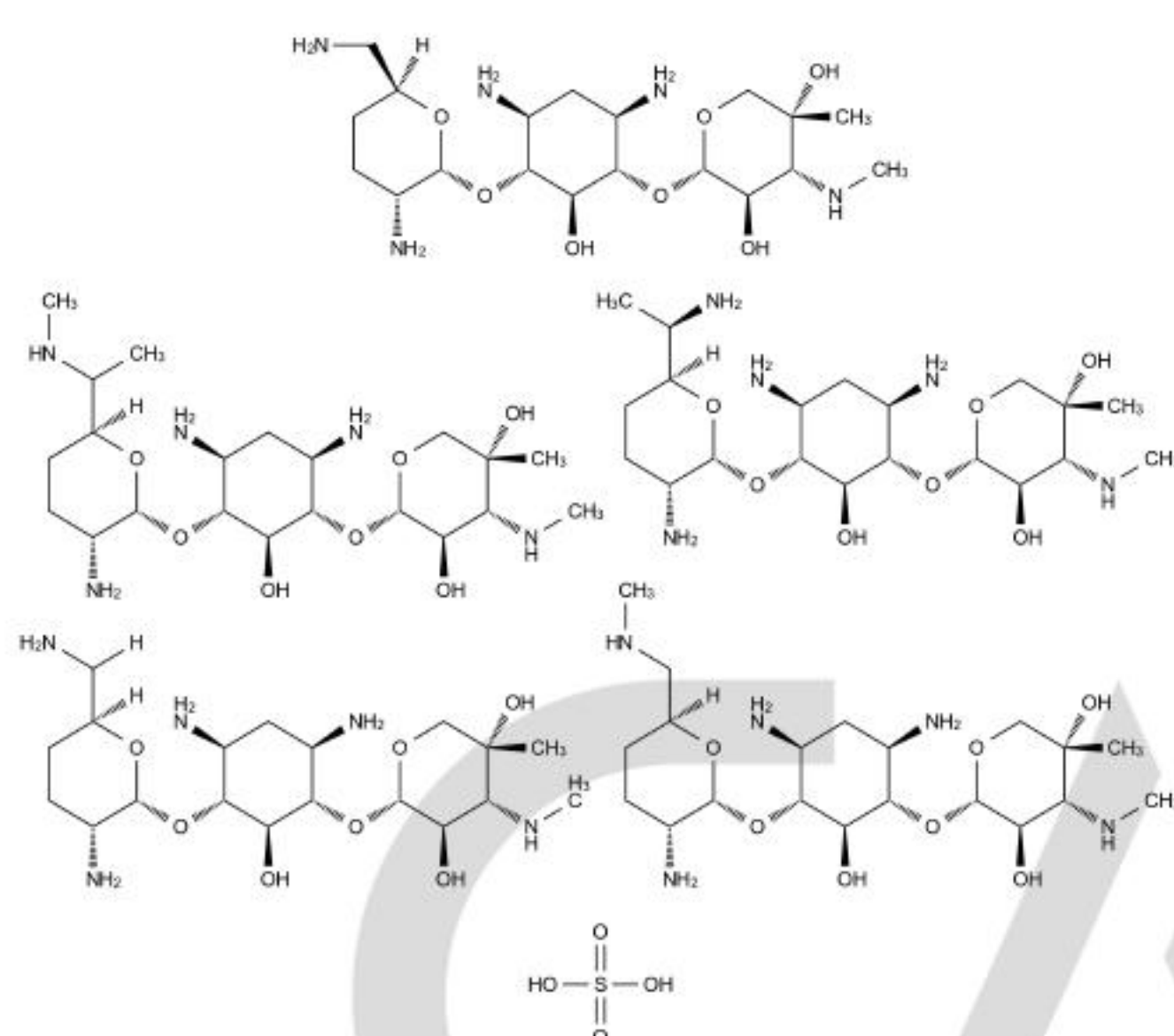


Certificate of Analysis

Intermediate Material

Product Name:	Gentamycin Sulfate(mixture of isomers)	Catalogue Number:	CIM-105308
Batch Size:	N/A	Lot Number:	1230-RG-0044
CAS Number:	1405-41-0	Production Date:	Dec 09, 2024
Molecular Formula:	$C_{21}H_{43}N_5O_7 \cdot 2 \cdot C_{20}H_{41}N_5O_7 \cdot 2 \cdot C_{19}H_{39}N_5O_7 \cdot H_2O_4S$	Expiry Date:	Dec 08, 2026
Molecular Weight:	477.60 2*463.57 2*449.54 98.08	Storage:	2°C ~ 8°C Protected from light and Sealed
		Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Acceptance Criteria	Results
Appearance	White to Off-White Solid	White to Off-White Solid
Identification	MS&NMR	Confirmed
Appearance of Solution	Clear and not more intensely colored than degree 6 of the range of reference solutions of the most appropriate color	Confirmed
A Cidity(pH)	3.5-5.5	5.3
Specific Optical Rotation	+107.0-+121.0 °	+118.0°
Methanol(%)	NMT 1.0	Confirmed
C1(%)	25.0-50.0	30.1
C1a(%)	10.0-35.0	33.7
C2a+C2(%)	25.0-55.0	36.2
Water(%)	NMT 15.0	10.1
Sulfated Ash(%)	NMT 1.0	0.2
Sulfate(%)	32.0-35.0	32.1
Bacterial Endotoxins(IU/mg)	NMT 1.67	0.71
Assay(IU/mg)	NLT 590(Anhydrous Substance)	665
	NLT 590(Hydrous substance)	598

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jan 04, 2026

Date: Jan 04, 2026

Date: Jan 04, 2026



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