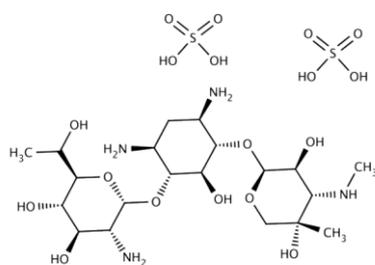


	Document ID:	TDS-RGP-001-10G	Version:	003
	Date of Issue:	10-JAN-2023	Approved by:	Dr. Iman Kamranfar
	Review Date:	10-JAN-2025	Signature:	
	Title:	TECHNICAL DATA SHEET		

G418 Disulphate Salt

Product Code	RGP-001-10G
CAS Number	108321-42-2
MDL Number	MFCD00058314
Additional CAS	49863-47-0
Related Categories	APIs, Antibiotics, Biochemicals, Reagents for Cell Culture, Antimicrobials
Shelf Life	Retest 4 years from DOM
Storage Temperature	2 to 8°C
Shipping Temperature	Ambient

Structure



Molecular Weight	692.71
Molecular Formula	C ₂₀ H ₄₀ N ₄ O ₁₀ · 2H ₂ SO ₄

Specifications

Property	Specification
Appearance	White to almost White Powder
Identification	IR; HPLC
pH (20% in water)	4.6 – 6.0
Solubility (10% in water)	Clear solution
Specific Optical Rotation	+104 - +121 °
Absorbance	0.1% in water at 280nm: ≤ 0.015 10% in water at 570nm: ≤ 0.10
Ammonia	≤ 0.5%
Water (KF)	≤ 12.0%
Potency (as is)	≥ 700 µg/mg
Potency (dried basis)	≥ 720 µg/mg
Version	V1.2
Suggested Working Concentrations	100-800ug/ml Mammalian Selection: 400ug/ml Maintenance: 200ug/ml

Hazards and Transport

Not classified as dangerous for transport.

CLP Classification	Resp. Sens. 1, Skin Sens.1
Signal Word	Danger
Hazard Codes	H317, H334
Precautionary Codes	P261, P280, P302+P352, P342+P311

Pictograms



Product use: This product is intended for laboratory use only.