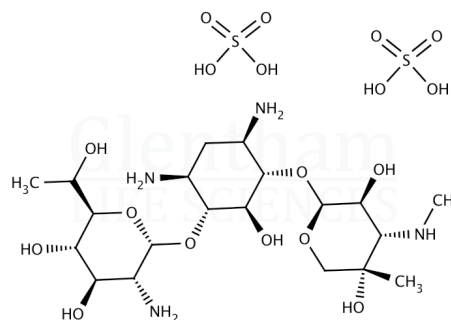


Certificate of Analysis

Product Name	G418 disulphate salt
Glentham Code	GA2946
CAS Number	108321-42-2
MDL Number	MFCD00058314
Additional CAS	49863-47-0
PubChem SID	310274067
Batch Number	735KQM
Molecular Weight	692.71
Molecular Formula	$C_{20}H_{40}N_4O_{10} \cdot 2H_2SO_4$
Storage Temp.	+4°C



Property	Specification	Batch 735KQM
Physical Description	White to almost white powder	White powder
Identification	IR	Conforms
	HPLC	Conforms
pH (20% in water)	4.6 - 6.0	4.85
Solubility (10% in water)	Clear solution	Clear solution
Specific Optical Rotation	+104 - +121 °	108.1°
Absorbance	0.1% in water at 280nm: ≤ 0.015	0.012
	10% in water at 570nm: ≤ 0.10	0.01
Ammonia	≤ 0.5%	Conforms
Water (KF)	≤ 12.0%	5.9%
Potency (as is)	≥ 700µg/mg	785µg/mg
Potency (dried basis)	≥ 720µg/mg	831µg/mg

Specification Version	v1.2
Manufacture Date	2024-04-15
Re-Test Date	2034-10-10

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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