Certificate of Analysis

G-418 (disulfate)

Cat. No.: HY-17561

CAS No.: 108321-42-2

Batch No.: 28160

Chemical Name: D-Streptamine, O-2-amino-2,7-dideoxy-D-glycero-α-D-gluco-heptopyranosyl-(1→4)-O-[3-deoxy-4-C-methyl-3-(methylamino)-β-L-arabinopyranosyl-(1→6)]-2-deoxy-, sulfate (1:2)

PHYSICAL AND CHEMICAL PROPERTIES

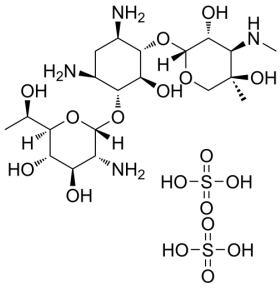
Molecular Formula: $C_{20}H_{44}N_4O_{18}S_2$

Molecular Weight: **692.71**

Storage: 4°C, stored under nitrogen, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)

Chemical Structure:



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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