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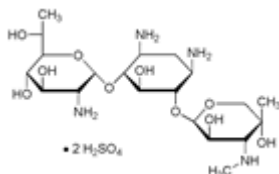
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Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 01417

Product

Geneticin disulfate salt

Antibiotic G418

G 418 disulfate salt

CAS Number 108321-42-2

Molecular Formula $C_{20}H_{40}N_4O_{10} \cdot 2H_2SO_4$

Molecular Weight 692.7

Appearance White powder

Solubility Colorless solution (100 mg/mL in water)

Cation Ammonia (NH₃) : ≤ 1%

pH 5.0 - 6.5

Optical Rotation $[\alpha]_{D20} = +107 \pm 2^\circ$

Loss on Drying ≤ 10%

Absorbance
Absorbance(A570nm) : ≤ 0.10%
Absorbance(A280nm): ≤ 0.015%

Potency (Anhydrous Basis) ≥ 700 µg/mg

Purity by HPLC ≥ 90%

Purity by TLC ≤ 3 spots

Storage Store at 0 - 8 °C

For Laboratory Use Only