

Product Name	: G-418 disulfate
Synonyms	: Geneticin sulfate
Cat No.	: M10328
CAS Number	: 108321-42-2
Molecular Formula	: C ₂₀ H ₄₄ N ₄ O ₁₈ S ₂
Formula Weight	: 692.71
Chemical Name	: D-Streptomine, 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)
Description	: An aminoglycoside antibiotic similar in structure to gentamicin B1; blocks polypeptide synthesis by inhibiting the elongation step in both prokaryotic and eukaryotic cells.
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: Others
Solubility	: H ₂ O: ≥ 30 mg/mL
SMILES	: <chem>O[C@@H]1[C@H](O[C@@H]2[C@@H](O)[C@H](O[C@H](O[C@H]3O[C@H](CO)C[C@H](O)[C@H](O)[C@H]3N)[C@@H](O)[C@H](O)[C@H]2N)OC[C@](O)(C)[C@H]1NC.O=S(=O)(O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

