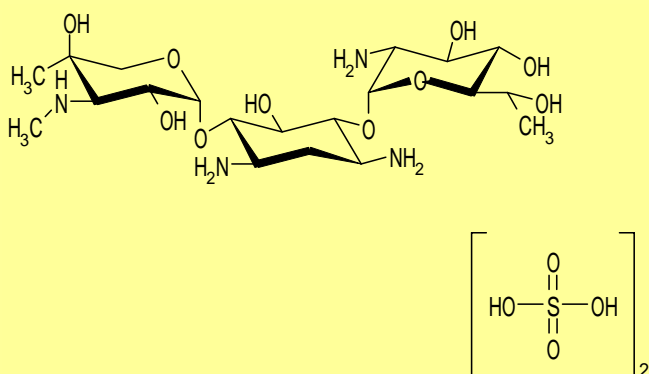


G-418 Sulfate

Cat.# BLK0880

Structure**Origin:****CAS Registry Number:** 108321-42-2**CA Index Name:** Geneticin**Appearance:** white solid**Molecular Formula/ Weight:** C₂₀H₄₄N₄O₁₈S₂=692.**Melting Point:** 235 dec **Purity:**>95.0% by HPLC**Solubility:** Sol. in 1mg/ml water**Background Information:**

Gentamicin-class aminoglycoside antibiotic. Cytotoxic to prokaryotic and eukaryotic cells. Induces apoptosis. Widely employed in the selection of eukaryotic expression vectors, in combination with either aminoglycoside phosphotransferase 3¢ or APH II.

Handling and Storage:

Store at -20 .

References:

1. Antimicrob. Agents Chemother. 6 144 (1974)
2. J. Biol. Chem. 271 15468 (1996)
3. FEBS Lett. 409 333 (1997)
4. Cell. Mol. Life Sci. 61 1816 (2004)
5. Histochem. Cell Biol. 126 593 (2006)

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