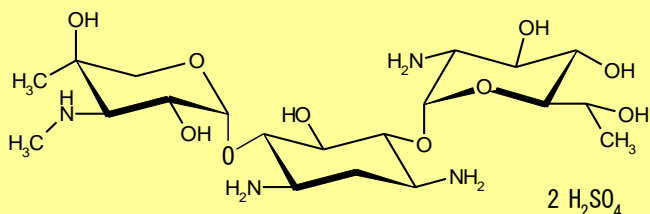


G-418 Sulfate

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°C dec | Purity: >95.0% by HPLC

Solubility: Sol. in 1mg/ml water

pKa:

log P:

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°C.

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)