

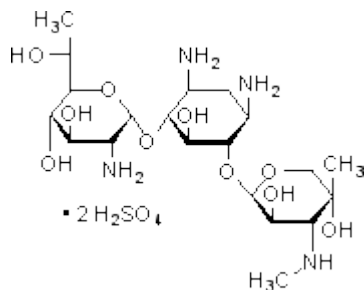
Product Name: G418 Disulfate

Product Number: G001

CAS Number: 108321-42-2

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

Structure:



Molecular Weight: 692.71

Appearance: White solid powder

Description: G418, also known as Geneticin, is an aminoglycoside antibiotic similar in structure to Gentamicin B1. G418 is commonly used in laboratory research as gene selector. It inhibits the elongation step in both prokaryotic and eukaryotic cells to block polypeptide synthesis.

Storage Temperature: 2~8°C

Mechanism of Action: G418 blocks polypeptide synthesis in eukaryotic cells by binding irreversibly to 80S ribosomes and therefore disrupting their proofreading capability.