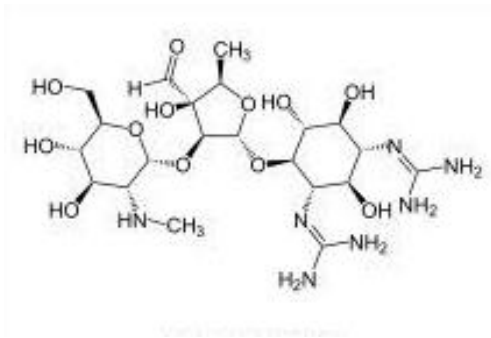


Streptomycin Sulfate

Molecular structure



Product Description

Streptomycin is an aminoglycoside antibiotic produced by the soil actinomycete *Streptomyces griseus*. It acts by binding to the 30S ribosomal subunit of susceptible organisms and disrupting the initiation and elongation steps in protein synthesis. It is bactericidal due to effects that are not fully understood. Streptomycin Sulfate is used alone or in combination with penicillin, an antibiotic highly active against gram-positive bacteria, for the prevention of bacterial contamination of cell cultures

Product Specification

Mode of Action:	Binds to the 30S ribosomal subunit and affects the fidelity of translation
Conferred Resistance:	Aminoglycosides-modifying enzymes, a change in cell permeability, or a change in ribosomal structure
Molecular weight:	679.7g/mol
Formula:	C ₂₁ H ₄₁ N ₇ O ₁₆ S
Appearance:	Powder: off white powder
Working Concentration:	Powder: 100 µg/mL
Solubility:	Powder: H ₂ O
Storage and Stability:	Powder: -25°C to -15°C Protect from light

Ordering information

Cat. No.	Description	Unit Size	Qty/Pk
61-088 RM	Streptomycin Sulphate Powder	100g	1

For Research use only. Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or *in vitro* procedures.

Support

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