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硫酸新霉素溶液(50mg/ml)

Neomycin Sulfate Solution (50mg/ml)

● 产品包装:

产品编号	产品名称	产品包装	说明书
SA0558S	硫酸新霉素溶液(50 mg/ml)	10×1ml	1 份

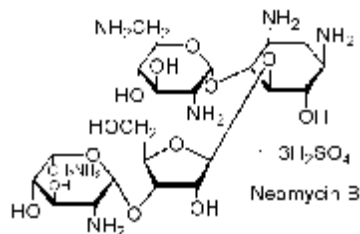
CAS: 1405-10-3

Formula: $C_{23}H_{46}N_6O_{13} \cdot 3H_2SO_4$

Mol. Weight: 908.9

Appearance: Clear-Colorless Solution

Other Notes: This product is sterile filtered



● 产品简介:

Neomycin sulfate is an aminoglycoside antibiotic derived from *Streptomyces* species. Its mode of action and activity are similar to that of gentamicin. Neomycin inhibits protein synthesis and elicits miscoding by binding to the 30S ribosome subunit and sometime 50S subunit. It is most effective against Gram-positive and Gram-negative bacteria except for *Pseudomonas aeruginosa*. Neomycin is often used as a selection agent in molecular biology application. It has been reported that cross-resistance occurs between neomycin with kanamycin, framycetin and paromomycin.

Minimum inhibitory concentration (MIC) of neomycin has been reported for many bacteria. MIC for *Staphylococcus aureus* is 0.5 µg/mL, *Escherichia coli* is 8 µg/mL, and *Proteus vulgaris* is 4 µg/mL.

● 保存条件:

-20℃避光保存。有效期 12 个月。