



Kanamycin Sulfate

An aminoglycoside antibiotic inhibiting protein synthesis.

A strong aminoglycoside antibiotic with antimicrobial activity is kanamycin sulfate powder. It inhibits protein synthesis by binding to 30S ribosomal subunit.

Kanamycin Sulfate is a broad-spectrum antibiotic, and it is active against a variety of gram-negative and gram-positive bacteria. To efficiently stop the growth of different bacteria and create the perfect medium for researching strains, microbiologists utilize kanamycin sulfate in their labs.

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| Cat. Number | AS-2014 |
| CAS Number | 25389-94-0 |
| Additional CAS | 70560-51-9 |
| Additional CAS | 8063-07-8 |
| Additional CAS | 133-92-6 |
| Additional CAS | 59-01-8 |
| MDL Number | MFCD00070253 |
| Molecular Weight | 582.58 g/mol |
| Molecular Formula | $C_{18}H_{38}N_4O_{15}S$ |
| Storage Temperature | 4°C |
| Form and Color | Powder to crystalline powder, white to off-white |
| Potency | Min. 750 U/mg |
| Sulphated ash | ≤ 0.5% |
| pH | 6.5 – 8.5 |
| Loss on Drying | Max. 2% |
| ¹ H-NMR spectrum | Corresponds to assigned structure |