



## 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.

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%
1H-NMR spectrum	Corresponds to assigned structure