



Kanamycin Sulfate

Product description

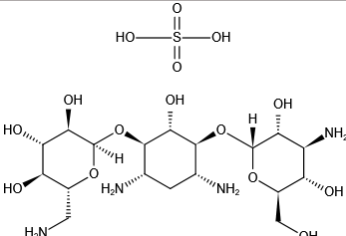
Kanamycin sulfate, also known as Kanamycin sulfate or Kanamycin A, is an aminoglycoside bacteriocidal antibiotic and can be used as a selection agent for bacteria. This product from Yeasen is a USP-grade reagent with a solubility of about 100 mg/mL in water.

Kanamycin sulfate is an aminoglycoside bacteriocidal antibiotic and is effective against gram-negative and gram-positive bacteria, and mycoplasma. Kanamycin sulfate inhibits translocation and elicits miscoding by binding to 70S ribosomal subunit. Kanamycin sulfate can be used as a selection agent for bacteria transformed with kanamycin B resistance gene and transformants with carrying neomycin phosphotransferase (NptII/neo) gene.

Components

Components No.	Name	60206ES10	60206ES60
60206	Kanamycin Sulfate	10 g	100 g

Specifications

Synonyms	Kanamycin sulfate, Kanamycin A
CAS#	25389-94-0
Formula	$C_{18}H_{36}N_4O_{11} \cdot H_2O_4S$
Molecular Weight	582.58
Appearance	White powder
Potency (dry basis)	$\geq 750 \mu\text{g}/\text{mg}$
Structure	

Shipping and Storage

The product is transported and stored at room temperature, with a period of validity of 3 years.

Instructions

This product is soluble in water (100 mg/mL). It is recommended for use at 30-100 $\mu\text{g}/\text{mL}$.

Note: After kanamycin is added to agar medium, the container needs to be sealed to avoid kanamycin degradation and activity reduction causing by water loss. It can be kept at 4°C for up to 1 month.

Notes

1. Please wear the necessary PPE, such lab coat and gloves, to ensure your health and safety.
2. For research use only.