Canvax Reagents, S.L.U.
Luis de Mercado Street, 19
Boecillo Technological Park
47151, Boecillo
Valladolid, Spain.

Tlf: +34 983 54 85 63
info@canvaxbiotech.com

www.canvaxbiotech.com

DATA SHEET

Version: 2
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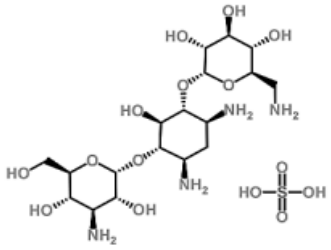
1. Identification

Product name **Kanamycin Sulphate**
5 g

Cat. No **AB005**

2. Description

Kanamycin Sulfate is a water-soluble antibiotic, originally purified from Streptomyces kanamyceticus, with broad antibacterial spectrum, including mycobacteria, many gram-positive and most gram-negative bacteria. Kanamycin inhibits bacterial protein synthesis by binding 70S ribosomes resulting in dysfunctional translation of mRNA. It is commonly used as a selective agent to select for resistant mammalian, fungal, or bacterial cells that contain the kanamycin resistance genes and is also used for the prevention of bacterial contamination of cell cultures.



3. Specifications

- CAS No: 25389-94-0
- Molecular Formula: $C_{18}H_{36}N_4O_{11}.H_2O_4S$
- Molecular Weight: 582.58
- Solubility: Soluble in water (50 mg/mL)
- Formulation: A crystalline solid
- Loss on drying: <2%
- Potency: ≥750 units/mg

4. Storage specifications

Store at -20˚C.

5. Applications

- Used to select for kanMX transformed cells or other kanamycin resistance genes.
- Used for the prevention of bacterial contamination of cell cultures.

6. Further information

Product Use Limitation This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Disclaimer The information provided in this Data Sheet is correct to the best of our knowledge and belief at the date of publication. This information is intended only as a guide and should not be taken as a warranty or quality specification. Canvax Reagents S.L.U. shall not be held liable for any damage resulting from handling or from contact with the above product.

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