

Suitable for cell culture

Catalog	Unit
TBS0009 -1G	1 g
TBS0009 -10G	10 g
TBS0009 -100G	100 g

### Product Details

Formal Name: Gentamicin sulfate salt.

Synonyms: Gentiomycin C.

Molecular Formula: C<sub>21</sub>H<sub>43</sub>N<sub>5</sub>O<sub>7</sub> • H<sub>2</sub>SO<sub>4</sub>

Formula Weight: 575.67

CAS Number: 1405-41-0

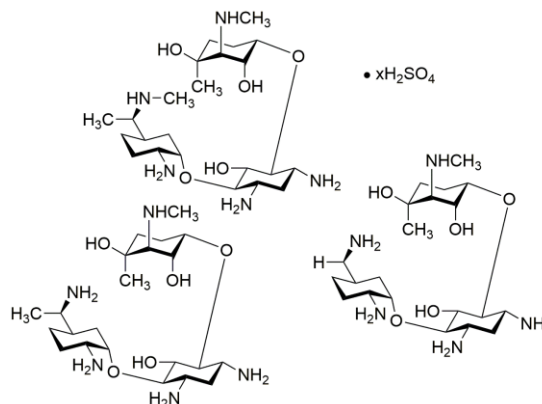
Purity: ≥98%

Formulation: Powder

Solubility: Soluble in water, but insoluble in ethanol.

Storage: -20°C

Stability: ≥ 4 years



### Applications

- Gram-negative bacteria.
- Gram-positive bacteria.
- Mycoplasma

### Functions

Gentamicin sulfate is a broad-spectrum antibiotic to kill Gram-negative and Gram-positive bacteria, and mycoplasma. It inhibits the growth of a wide variety of Gram-positive and Gram-negative microorganisms, including strains resistant to tetracycline, chloramphenicol, kanamycin, and colistin, particularly strains of *Pseudomonas*, *Proteus*, *Staphylococcus*, and *Streptococcus*. Gentamicin sulfate inhibits bacterial protein biosynthesis by binding to the 30S subunit of the ribosome.

### Application Procedures

Gentamicin sulfate is dissolved in water to make an appropriate concentration solution for use. The generally recommended working concentration for eukaryotic cell culture is 50 µg/ml. This product is cell culture tested and is appropriate for use in cell culture applications.

**For research use only.**