

Tobramycin

Catalog No: tcsc2547



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:
32986-56-4

Formula:
 $C_{18}H_{37}N_5O_9$

Pathway:
Anti-infection

Target:
Bacterial

Purity / Grade:
>98%

Solubility:
H₂O : ≥ 200 mg/mL (427.80 mM)

Alternative Names:
Nebramycin Factor 6; Deoxykanamycin B

Observed Molecular Weight:
467.51

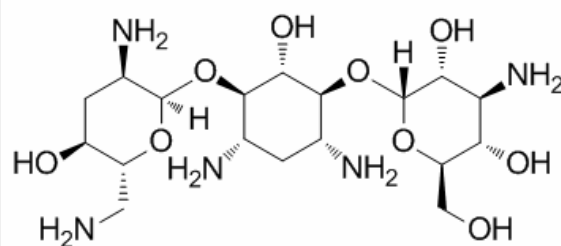
Product Description

Tobramycin is an aminoglycoside, broad-spectrum antibiotic produced by *Streptomyces tenebrarius*.

Target: Antibacterial

Tobramycin is an aminoglycoside antibiotic derived from *Streptomyces tenebrarius* and used to treat various types of bacterial infections, particularly Gram-negative infections. It is especially effective against species of *Pseudomonas* [1].

Tobramycin works by binding to a site on the bacterial 30S and 50S ribosome, preventing formation of the 70S complex. As a result, mRNA cannot be translated into protein and cell death ensues. Tobramycin is preferred over gentamicin for *Pseudomonas aeruginosa* pneumonia due to better lung penetration. From Wikipedia [2].



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