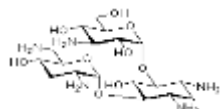


PRODUCT: Tobramycin

ALTERNATE NAME: O-3-Amino-3-deoxy- α -D-glucopyranosyl-(1-6)-O-[2,6-diamino-2,3,6-trideoxy- α -D-ribohexopyranosyl-(1-4)]-2-deoxy-D-streptamine

CATALOG #: B1537-100, 500

AMOUNT: 100 mg, 500 mg

STRUCTURE:

MOLECULAR FORMULA: $C_{18}H_{37}N_5O_9$

MOLECULAR WEIGHT: 467.52

CAS NUMBER: 32986-56-4

APPEARANCE: White solid

SOLUBILITY: H_2O (>45 mg/ml)

PURITY: $\geq 94\%$ (Titration)

STORAGE: Store at $-20\text{ }^\circ\text{C}$. Protect from air and moisture

DESCRIPTION: Tobramycin is an aminoglycoside antibiotic that binds irreversibly to one of two aminoglycoside binding sites on the 30S ribosomal subunit, inhibiting bacterial protein synthesis. Tobramycin may also destabilize bacterial membranes by binding to 16S rRNA (ribosomal RNA). It inhibits translocation and elicits miscoding. Tobramycin is used to treat *Pseudomonas aeruginosa* lung infections and is used in combination with other antibiotics to treat urinary tract infections, gynecologic infections, peritonitis, endocarditis, pneumonia, sepsis, respiratory infections, osteomyelitis, and other soft-tissue infections.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Amphotericin B (Cat. No. 2497-250, 1G, 5G)
 Ampicillin trihydrate (Cat. No. 2483-1 G, 5G, 25 G)
 Ampicillin sodium (Cat. No. 2484-1G, 5G, 25G)
 EZSolution™ Ampicillin sodium (Cat. No. 2499-10)
 Betulinic Acid (Cat. No. 1552-25)
 Bexarotene (Cat. No. 1575-5, 50)
 Blastidin S, Hydrochloride (Cat. No. 1859-25,100)
 Capecitabine (Cat. No. 1741-100, 1000)
 Carboplatin (Cat. No. 1553-100)
 Chloramphenicol (Cat. No. 2486-25G, 100G, 500G)
 Cefotaxime Sodium, USP (Cat. No. B1510-1G, 5G, 25G)
 Cisplatin (Cat. No. 1550-100,1000)
 Cycloheximide (Cat. No. 1041-1G, 5G)
 Cycloheximide (100 mM) (Cat. No. 1041-1)
 Daunorubicin.HCl (1524-10,50,500)
 Doxorubicin HCl (Cat. No. 1527-5)
 Fludarabine Phosphate (Cat. No. 1763-10, 50)
 G-418 Sulfate (Cat. No. 1557-100, 5G, 25G)
 Gemcitabine Hydrochloride (Cat. No. 1759-25, 100)
 Genistein (Cat. No. 1533-10)
 Nedaplatin (Cat. No. 1576-5)
 Nystatin, USP Grade (Cat. No. B1509-1G, 5G, 25G)
 Oxaliplatin (Cat. No. 1577-25)
 Paclitaxel (Cat. No. 1567-25)
 Penicillin G sodium (Cat. No. 2503-100, 500)
 Penicillin G potassium (Cat. No. 2504-25, 100)
 Phleomycin (Cat. No. 2724-5,25)
 EZSolution™ Phleomycin (Cat. No. B1531-1,5)
 Polymyxin B Sulfate (Cat. No. 2496-10, 50, 100)
 Puromycin Dihydrochloride (Cat. No. 1860-25, 100, 250, 500,1000)
 EZSolution™ Puromycin Dihydrochloride (Cat. No. 1861-100)
 Radicol (Cat. No. B1533-1,5)
 Streptozocin (Cat. No. 1930-100, 500, 1000)
 Tamoxifen Citrate (Cat. No. 1551-1000)
 Timentin (Cat. No. B1508-1G, 5G, 25G)
 Vancomycin Hydrochloride (Cat. No. B1507-250, 1G, 5G)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**