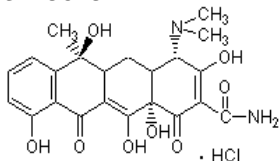


PRODUCT: Tetracycline Hydrochloride

ALTERNATE NAME: (4S,4aS,5aS,6S,12aS)- 4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacene-carboxamide, monohydrochloride

CATALOG #: B1535-10G, 50G

AMOUNT: 10 g, 50 g

STRUCTURE:

MOLECULAR FORMULA: C₂₂H₂₄N₂O₈·HCl

MOLECULAR WEIGHT: 480.90

CAS NUMBER: 64-75-5

APPEARANCE: Yellow solid

SOLUBILITY: H₂O (>50 mg/ml)

PURITY: ≥95%

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: Tetracycline is a broad-spectrum antibiotic that prevents bacterial growth by inhibiting protein synthesis. It binds to a single site in the 30S ribosomal subunit which prevents attachment of aminoacyl tRNA to the ribosomal acceptor site. It is used in cell biology as a selective agent in cell culture systems. Tetracycline is toxic to prokaryotic and eukaryotic cells and selects for cells harboring the bacterial tetR gene, which are resistant to the antibiotic. It has been used in studies of multidrug resistance and potential side effects including acute pancreatitis.

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)
 Blastocidin 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*