

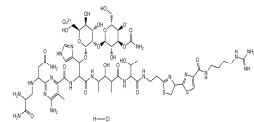
Product: Phleomycin

ALTERNATE NAME: (2R,3S,4S,5R,6R)-2-(((2R,3S,4S,5S,6S)-2-(2-(6-amino-2-(3-amino-1-((2,3-diamino-3-oxopropyl)amino)-3-oxopropyl)-5-methylpyrimidine-4-carboxamido)-3-((5-((1-((2-(4-((4-guanidinobutyl)carbamoyl)-4',5'-dihydro-[2,4'-bithiazol]-2'-yl)ethyl)amino)-3-hydroxy-1-oxobutan-2-yl)amino)-3-hydroxy-4-methyl-5-oxopentan-2-yl)amino)-1-(1H-imidazol-4-yl)-3-oxopropoxy)-4,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-3-yl)oxy)-3,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-4-yl) carbamate, copper(II) salt, monohydrochloride

CATALOG #: 2724-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{55}H_{85}N_{20}O_{21}S_2Cu \cdot HCl$

MOLECULAR WEIGHT: 1526.5

CAS NUMBER: 11006-33-0

APPEARANCE: Light blue solid

SOLUBILITY: H_2O (~ 20 mg/ml)

PURITY: ≥95%

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

DESCRIPTION: Phleomycin is an antibiotic produced by *Streptomyces verticillus* and is structurally related to Bleomycin. Used as a selective agent in transformation experiments with mammalian cells, plant cells and yeast. Its cytotoxic action results from its ability to cause fragmentation of DNA. In Vitro studies indicate that Phleomycin causes accumulation of cells in the G2 phase of the cell cycle.

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)
Blasticidin S, Hydrochloride (Cat. No. 1859-25,100)
Capecitabine (Cat. No. 1741-100, 1000)
Cisplatin (Cat. No. 1553-100)
Chloramphenicol (Cat. No. 2486-25G, 100G, 500G)
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)
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)
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)
Streptozocin (Cat. No. 1930-100, 500, 1000)
Tamoxifen Citrate (Cat. No. 1551-1000)

FOR RESEARCH USE ONLY! Not to be used on humans.