

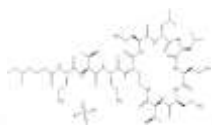
PRODUCT: Colistin sulfate

ALTERNATE NAME: Belcomycine; Colistin sulfate salt; EBD44330; MFCD00146495; N-[3-Amino-1-[[1-[[3-amino-1-[[6,9,18-tris(2-aminoethyl)-3-(1-hydroxyethyl)-12,15-bis(2-methylpropyl)-2,5,8,11,14,17,20-heptaaxo-1,4,7,10,13,16,19-heptazacyclotricos-21-yl]carbamoyl]propyl]carbamoyl]-2-hydroxy-propyl]carbamoyl]propyl]-5-methyl-heptanamide sulfate; Polymyxin E; Colimycin

CATALOG #: 9696-100, 500, 1 G, 5G

AMOUNT: 100 mg, 500 mg, 1 g, 5 g

STRUCTURE:



MOLECULAR FORMULA: $C_{52}H_{100}N_{16}O_{17}S$

MOLECULAR WEIGHT: 1253.51

CAS NUMBER: 1264-72-8

APPEARANCE: White to off-white solid

SOLUBILITY: H_2O (50 mg/ml)

PURITY: $\geq 98\%$ by TLC

STORAGE: Store at +4°C. Protect from air and moisture

DESCRIPTION: Colistin sulfate is a potent cationic peptide antibiotic of the polymyxin family that binds to lipids on the cell cytoplasmic membrane of Gram-negative bacteria and disrupts the cell wall integrity.

REFERENCES: David, H.L., and Rastogi, N. (1985). *Antimicrob. Agents Chemother.* **27**, 701-707.

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)
 Carboplatin (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)

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