

PRODUCT: Kirromycin**ALTERNATE NAME:**

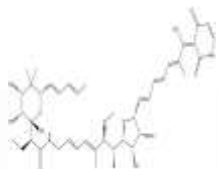
N-[7-[5-[7-(1,2-dihydro-4-hydroxy-2-oxo-3-pyridinyl)-6-methyl-7-oxo-1,3,5-heptatrienyl]tetrahydro-3,4-dihydroxy-2-furanyl]-6-methoxy-5-methyl-2,4-octadienyl]-alpha-ethyltetrahydro-2,3,4-trihydroxy-5,5-dimethyl-6-(1,3-pentadienyl)-2H-pyran-2-acetamide

CATALOG #:

B1236-1, 5

AMOUNT:

1 mg, 5 mg

STRUCTURE:**MOLECULAR FORMULA:**C₄₃H₆₀N₂O₁₂**MOLECULAR WEIGHT:**

796.9

CAS NUMBER:

50935-71-2

APPEARANCE:

Yellow Solid

SOLUBILITY:

DMSO

PURITY:

≥98% by HPLC

STORAGE:

Store at -20°C. Protect from air and light.

DESCRIPTION:

Kirromycin belongs to elfermycin group of antibiotics that inhibits as a protein biosynthesis inhibitor. It is shown to interfere with the peptide transfer reaction by acting on elongation factor Tu (EF-tu). This prevents the release of EF-Tu from the bacterial ribosome after GTP hydrolysis, inducing EF-Tu dependent hydrolysis of GTP.

REFERENCES:

Hall, C.C., *et al.* (1989). *Antimicrob. Agents Chemother.* **33**, 322-325.

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)
 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)
 Solithromycin (Cat. No. B1222-5,25)
 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