

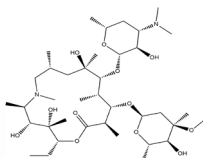
**PRODUCT: Azithromycin**

**ALTERNATE NAME:** 13-[(2,6-Dideoxy-3-C-methyl-3-O-methyl- $\alpha$ -L-ribo-hexopyranosyl)oxy]-2-ethyl-3,4,10-trihydroxy-3,5,6,8,10,12,14-heptamethyl-11-[[3,4,6-trideoxy-3-(dimethylamino)- $\beta$ -D-xylo-hexopyranosyl]oxy]-1-oxa-6-azacyclopentadecan-15-one

**CATALOG #:** B1226-25, 100

**AMOUNT:** 25 mg, 100 mg

**STRUCTURE:**



**MOLECULAR FORMULA:**  $C_{38}H_{72}N_2O_{12}$

**MOLECULAR WEIGHT:** 748.98

**CAS NUMBER:** 83905-01-5

**APPEARANCE:** White Solid

**SOLUBILITY:** DMSO (>50 mg/ml)

**PURITY:**  $\geq 98\%$  by HPLC

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

**DESCRIPTION:** Azithromycin is a macrolide antibiotic that inhibits 50S ribosomal subunit formation and elongation at transpeptidation step in gram positive and negative bacteria. *In vivo* activity shows improved pharmacokinetic properties when compared to erythromycin in mouse models. Licensed macrolide antibiotic which has been used alone and in combination with chloroquine analogs to treated SARS-CoV-2 infections.

**REFERENCES:** Champney, W.S., and Burdine, R. (1995), *Antimicrob.Agents Chemother.* **39**, 2141-2144

**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)  
 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**