

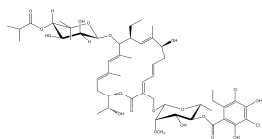
**PRODUCT: Fidaxomicin**

**ALTERNATE NAME:** 3E,5E,8S,9E,11S,12R,13E,15E,18S)-3-[[[6-Deoxy-4-O-(3,5-dichloro-2-ethyl-4,6-dihydroxybenzoyl)-2-O-methyl-β-D-mannopyranosyl]oxy]methyl]-12-[[[6-deoxy-5-C-methyl-4-O-(2-methyl-1-oxopropyl)-β-D-lyxo-hexopyranosyl]oxy]-11-ethyl-8-hydroxy-18-[(1R)-1-hydroxyethyl]-9,13,15-trimethyl-oxacyclooctadeca-3,5,9,13,15-pentaen-2-one; Clostomicin B1; Difclid; Difclir; Fidaxomicin; Fidaxomycin; Lipiarmicin; Lipiarmycin; Lipiarmycin A 3; OPT 80; PAR 01; PAR 101; R-Tiacumicin B; Tiacumicin B

**CATALOG #:** 2832-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>52</sub>H<sub>74</sub>Cl<sub>2</sub>O<sub>18</sub>

**MOLECULAR WEIGHT:** 1058.04

**CAS NUMBER:** 873857-62-6

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98%

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

**DESCRIPTION:** Fidaxomicin is a natural macrocyclic antibiotic and RNA polymerase inhibitor that displays selectivity for Gram-positive bacteria over Gram-negative bacteria (IC<sub>50</sub>s = 0.4 and 6 μM, respectively). It shows potent antibacterial activity against most Gram-positive bacteria and effectively targets the Gram-positive *C. difficile* (MIC = 12 ng/ml). Also shown to have excellent bactericidal activity against multidrug-resistant *Mycobacterium tuberculosis*.

**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