

Description

Delafloxacin (RX-3341, ABT-492) is a fluoroquinolone antibiotic agent. IC50 Value: MICs ranging from 0.0078 to 0.125 micro g/ml for levofloxacin-resistant *Streptococcus pneumoniae* strains [1] Target: Antibacterial ABT-492 was more potent against quinolone-susceptible and -resistant gram-positive organisms, had activity similar to that of ciprofloxacin against certain members of the family Enterobacteriaceae, and had comparable activity against quinolone-susceptible, nonfermentative, gram-negative organisms. in vitro: ABT-492 exhibited excellent in vitro activities against all 326 aerobic and anaerobic antral puncture sinus isolates tested with MICs (in micrograms per milliliter) at which 90% of the isolates tested were inhibited as follows: *Haemophilus influenzae*, 0.001; *Moraxella catarrhalis*, 0.008; and *Streptococcus pneumoniae*, 0.015 [2]. ABT-492 was as active as trovafloxacin against *Chlamydia trachomatis*, indicating good intracellular penetration and antibacterial activity [3]. in vivo: Clinical trial: N/A

Clinical Trial

NCT Number	Condition
NCT01984684	Skin and Subcutaneous Tissue Bacterial Infections Skin Structures and Soft Tissue Infections
NCT01811732	Skin and Subcutaneous Tissue Bacterial Infections
NCT02505997	VA Drug Interactions
NCT02679573	Community Acquired Bacterial Pneumonia
NCT02245243	Hepatic Impairment
NCT02015637	Gonorrhea
NCT01283581	Skin and Subcutaneous Tissue Bacterial Infections
NCT00719810	Skin Structure Infections Bacterial Skin Diseases Staphylococcal Skin Infections

Preparing Stock Solutions

Volume	Mass		
Concentration	1 mg	5 mg	10 mg
1 mM	2.2688 mL	11.3440 mL	22.6881 mL
5 mM	0.4538 mL	2.2688 mL	4.5376 mL

