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A Review on Bacterial Resistance to Cefepime

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Abstract:

Cefepime is a potent, broad-spectrum, fourth-generation cephalosporin with enhanced activity against most bacterial pathogens that are resistant to other cephalosporins. Cephalosporins are used to treat a wide variety of bacterial infections, such as respiratory tract infections (pneumonia, tonsillitis, and bronchitis), skin infections, and urinary tract infections (UTI's). In recent years, the rise of antibiotic resistance has become a serious public health threat. Cefepime resistance is spreading rapidly, causing several outbreaks and treatment failure of many infections. This review focuses on current understanding and future perspectives of cefepime resistance in bacteria.

Keywords: Cefepime, cephalosporin, antibiotic resistance, multidrug-resistant bacteria, bacterial infections.