

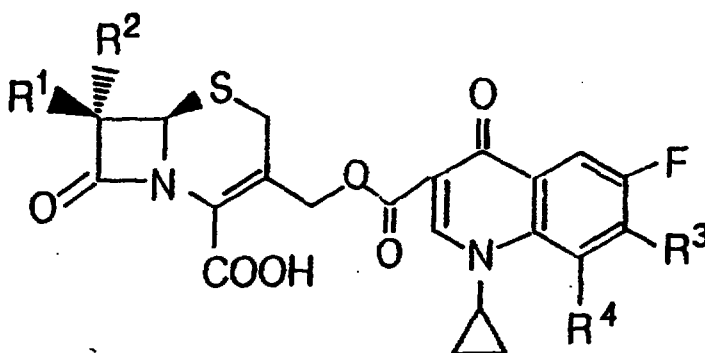
NOVEL ANTIMICROBIAL FLUOROQUINOLONYL CEPHEMS

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ABSTRACT OF THE DISCLOSURE

Antimicrobial fluoroquinolonyl cepheems of the formula:



wherein

- (1) R^1 and R^2 are groups among those known in the art for substitution at the 7-position of an antimicrobially-active cephem;
- (2) R^3 is a substituted or unsubstituted, nitrogen-containing, heterocyclic moiety; and
- (3) R^4 is hydrogen, halogen, lower alkoxy or cyclic alkoxy, amino, nitro or cyano.

Preferably, R^3 is substituted or unsubstituted piperazine, 3-aminopyrrolidine, or 3-aminomethylpyrrolidine. R^4 is preferably hydrogen or halogen.

This Sheet Has Been Replaced

