

ABSTRACT

QUINOLONE CARBOXYLIC ACIDS, DERIVATIVES THEREOF, PROCESSES FOR ITS PREPARATION AND ITS USE AS ANTIBACTERIAL AGENTS

A process of preparing a quinolone carboxylic acid or its derivatives having a formula as shown below, comprises using a starting 7-flubro quinolone that already has one or more desired substituents at one or more particular positions on the quinolone ring and preserving the orientation of such substituents throughout the synthesis. The present process comprises fewer steps than prior-art processes. The present process also can include a simple separation of a desired enantiomer of the quinolone carboxylic acid or its derivatives from the enantiomeric mixture. Pharmaceutical- compositions comprising fluoroquinolones prepared by the present process can be used effectively against a variety of microbial pathogens.

No Figure



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