Contains Nonbinding Recommendations

Draft Guidance on Ciprofloxacin Hydrochloride

This draft guidance, once finalized, will represent the Food and Drug Administration's (FDA's) current thinking on this topic. It does not create or confer any rights for or on any person and does not operate to bind FDA or the public. You can use an alternative approach if the approach satisfies the requirements of the applicable statutes and regulations. If you want to discuss an alternative approach, contact the Office of Generic Drugs.

Active ingredient: Ciprofloxacin Hydrochloride

Form/Route: Tablet/Oral

Recommended studies: 2 studies

1. Type of study: Fasting
   Design: Single-dose, two-way crossover in-vivo
   Strength: Eq. 500 mg base
   Subjects: Healthy males and nonpregnant females, general population.
   Additional Comments:

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2. Type of study: Fed
   Design: Single-dose, two-way crossover in-vivo
   Strength: Eq. 500 mg base
   Subjects: Healthy males and nonpregnant females, general population.
   Additional Comments:

Analytes to measure (in appropriate biological fluid): Ciprofloxacin in plasma

Bioequivalence based on (90% CI): Ciprofloxacin

Waiver request of in-vivo testing: Eq. 100 mg, 250 mg and 750 mg base, based on (i) acceptable bioequivalence studies on the Eq. 500 mg base strength, (ii) acceptable *in-vitro* dissolution testing of all strengths, and (iii) proportional similarity of the formulations across all strengths.

Dissolution test method and sampling times:

Please note that a **Dissolution Methods Database** is available to the public at the OGD website at http://www.accessdata.fda.gov/scripts/cder/dissolution/index.cfm. Please find the dissolution information for this product at this website. Please conduct comparative dissolution testing on 12 dosage units of the test and reference products. Specifications will be determined upon review of the application