

Guidance on Hydrochlorothiazide; Valsartan

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Active Ingredient: Hydrochlorothiazide; Valsartan

Dosage Form; Route: Tablet; oral

Recommended Studies: Two studies

1. Type of study: Fasting
Design: Randomized, single-dose, two-treatment, two-period crossover in vivo
Strength: 25 mg/ 320 mg
Subjects: Normal healthy males and females, general population
Additional Comments: Females should not be pregnant, and if applicable, should practice abstinence or contraception during the study.

2. Type of study: Fed
Design: Randomized, single-dose, two-treatment, two-period crossover in vivo
Strength: 25 mg/ 320 mg
Subjects: Normal healthy males and females, general population
Additional comments: Please see comment above.

Analytes to measure (in appropriate biological fluid): Valsartan and hydrochlorothiazide in plasma.

Bioequivalence based on (90% CI): Valsartan and hydrochlorothiazide

Waiver request of in vivo testing: 12.5 mg/ 80 mg, 12.5 mg/ 160 mg, 12.5 mg/ 320 mg, 25 mg/ 160 mg based on (i) acceptable bioequivalence studies on the 25 mg/ 320 mg strength, (ii) proportional similarity of the formulations across all strengths, and (iii) acceptable in vitro dissolution testing of all strengths.

Dissolution test method and sampling times: The dissolution information for this drug product can be found on the FDA-Recommended Dissolution Methods web site, available to the public at the following location: <http://www.accessdata.fda.gov/scripts/cder/dissolution/>. Conduct comparative dissolution testing on 12 dosage units each of all strengths of the test and reference products. Specifications will be determined upon review of the abbreviated new drug application (ANDA).