Contains Nonbinding Recommendations

Draft Guidance on Desogestrel; Ethinyl Estradiol

This draft guidance, once finalized, will represent the Food and Drug Administration's (FDA's) current thinking on this topic.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: Desogestrel; Ethinyl Estradiol

Form/Route: Tablets/Oral

Recommended studies: 2 studies

1. Type of study: Fasting
   Design: Single-dose, two-way, crossover *in-vivo*
   Strength: 0.15 mg/0.02 mg Desogestrel and Ethinyl Estradiol
   Subjects: Normal healthy females, general population
   Additional Comments:

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2. Type of study: Fasting
   Design: Single-dose, two-way, crossover *in-vivo*
   Strength: 0.01 mg Ethinyl Estradiol
   Subjects: Normal healthy females, general population
   Additional comments:

Analytes to measure (in appropriate biological fluid): Active metabolite of Desogestrel, 3-ketodesogestrel and ethinyl estradiol in plasma.

Please submit the metabolite data as supportive evidence of comparable therapeutic outcome. For the metabolite, the following data should be submitted: individual and mean concentrations, individual and mean pharmacokinetic parameters, and geometric means and ratios of means for AUC and Cmax.

Bioequivalence based on (90% CI): 3-ketodesogestrel and ethinyl estradiol

Waiver request of in-vivo testing: Not Applicable

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.fda.gov/cder/ogd/index.htm. Please find the dissolution information for this product at this website. Please 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 application.