

*Contains Nonbinding Recommendations*  
**Draft Guidance on Lopinavir; Ritonavir**

This draft guidance, once finalized, will represent the Food and Drug Administration's (FDA's) current thinking on this topic.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

**Form/Route:** Capsules/Oral

**Recommended studies:** 2 studies

1. Type of study: Fasting  
Design: Single-dose, two-treatment, two-period crossover *in-vivo*  
Strength: 133.3 mg/33 mg (3 capsules for a dose of 400 mg/100 mg)  
Subjects: Healthy males and non-pregnant females, general population.  
Additional Comments: Females must have a negative baseline pregnancy test prior to receiving the drug, and if applicable, should practice abstinence or contraception during the study.

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2. Type of study: Fed  
Design: Single-dose, two-treatment, two-period crossover *in-vivo*  
Strength: 133 mg/33 mg (3 capsules for a dose of 400 mg/100 mg)  
Subjects: Healthy males and non-pregnant females, general population.  
Additional Comments: Please refer to the Amantadine Hydrochloride Tablet Draft Guidance for additional information regarding fed studies. See comments above.

**Analytes to measure (in appropriate biological fluid):** Lopinavir and ritonavir in plasma.

**Bioequivalence based on (90% CI):** Lopinavir and ritonavir

**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.