Contains Nonbinding Recommendations

Draft Guidance on Memantine Hydrochloride

This draft guidance, once finalized, will represent the Food and Drug Administration's (FDA's) current thinking on this topic.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

Form/Route: Tablets/Oral

Recommended studies: 2 studies

1. Type of study: Fasting
   Design: Single-dose, two-way crossover *in-vivo*
   Strength: 10 mg
   Subjects: Normal healthy males and females, general population. Females should not be of childbearing potential.

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2. Type of study: Fed
   Design: Single-dose, two-way crossover *in-vivo*
   Strength: 10 mg
   Subjects: Normal healthy males and females, general population. Females should not be of childbearing potential.
   Additional Comments:

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

Bioequivalence based on (90% CI): Memantine

Waiver request of in-vivo testing: 5 mg, based on (i) acceptable bioequivalence studies on the 10 mg strength, (ii) formulation proportionality of 10 mg and 5 mg strengths, and (iii) acceptable dissolution testing on both 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.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.