

## Draft Guidance on Pimavanserin Tartrate

This draft guidance, when finalized, will represent the current thinking of the Food and Drug Administration (FDA, or the Agency) on this topic. It does not establish any rights for any person and is not binding on FDA or the public. You can use an alternative approach if it satisfies the requirements of the applicable statutes and regulations. To discuss an alternative approach, contact the Office of Generic Drugs.

**Active Ingredient:** Pimavanserin tartrate

**Dosage Form; Route:** Capsule; oral

**Recommended Studies:** Two studies

1. Type of study: Fasting  
Design: Single-dose, two-way crossover in vivo  
Strength: EQ 34 mg Base  
Subjects: Males and non-pregnant, non-lactating females, general population  
Additional comments: 1) Pimavanserin prolongs the QT interval. Serial electrocardiogram (ECG) monitoring is recommended pre-dose and during the studies for all subjects and avoid using drugs known to prolong QT interval; 2) Pimavanserin has a long terminal elimination half-life (>24 hours). Ensure that there are adequate washout periods between treatments in the crossover studies to avoid the carry-over from the first period. Alternatively, consider using a parallel study design for the drug with a long half-life. For long half-life drug products with low intra-subject variability in distribution and clearance, an AUC truncated to 72 hours may be used in place of AUC<sub>0-t</sub> or AUC<sub>0-∞</sub>. For either a crossover or parallel study, sample collection time should be adequate to ensure completion of gastrointestinal transit of the drug product and absorption of the drug substance. Collect sufficient blood samples in the bioequivalence studies to adequately characterize the peak concentration and time to reach peak concentration.

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2. Type of study: Fed  
Design: Single-dose, two-way crossover in vivo  
Strength: EQ 34 mg Base  
Subjects: Males and non-pregnant, non-lactating females, general population  
Additional comments: See comments above

**Analyte to measure (in appropriate biological fluid):** Pimavanserin in plasma

**Bioequivalence based on (90% CI):** Pimavanserin

**Waiver request of in vivo testing:** Not applicable

**Dissolution test method and sampling times:** The dissolution information for this drug product can be found on the FDA-Recommended Dissolution Methods website 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 the test and reference products. Specifications will be determined upon review of the abbreviated new drug application.