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Draft Guidance on Celecoxib; Tramadol Hydrochloride

October 2024

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Active Ingredients: Celecoxib; Tramadol hydrochloride

Dosage Form: Tablet

Route: Oral

Strength: 56 mg; 44 mg

Recommended Study: One in vivo bioequivalence study with pharmacokinetic endpoints

1. Type of study: Fasting
   Design: Single-dose, two-treatment, two-period crossover in vivo
   Strength: 56 mg; 44 mg
   Subjects: Healthy males and non-pregnant, non-lactating females
   Additional comments: Celecoxib; tramadol hydrochloride capsule is approved under a Risk Evaluation and Mitigation Strategy (REMS) with Elements to Assure Safe Use (ETASU). All pertinent elements of the REMS/ETASU are recommended to be incorporated into the protocol and informed consent.

Analytes to measure: Tramadol using achiral assay and celecoxib in plasma

Bioequivalence based on (90% CI): Celecoxib and tramadol

Waiver request of in vivo testing: Not applicable

Dissolution test method and sampling times: The dissolution information for this drug product can be found in the FDA's Dissolution Methods database, http://www.accessdata.fda.gov/scripts/cder/dissolution. Conduct comparative dissolution testing on 12 dosage units for each of the test product and reference listed drug (RLD).[1] Specifications will be determined upon review of the abbreviated new drug application.

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[1] If the RLD is not available, refer to the most recent version of the FDA guidance for industry on *Referencing Approved Drug Products in ANDA Submissions*.