DESCRIPTION

Specifically geared to personnel in the pharmaceutical and biotechnology industries, this book describes the basics and challenges of oral bioavailability – one of the most significant hurdles in drug discovery and development.

- Describes approaches to assess pharmacokinetics and how drug efflux and uptake transporters impact oral bioavailability
- Helps readers reduce the failure rate of drug candidates when transitioning from the bench to the clinic during development
- Explains how preclinical animal models – used in preclinical testing – and in vitro tools translate to humans, which is an underappreciated and complicated area of drug development
- Includes chapters about pharmacokinetic modelling, the Biopharmaceutics Drug Disposition Classification System (BDDCS), and the Extended Clearance Classification System (ECCS)
- Has tutorials for applying strategies to medicinal chemistry practices of drug discovery/development

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