Record Nr. UNINA9910877182103321 Enzyme inhibition in drug discovery and development: the good and **Titolo** the bad / / edited by Chuang Lu, Albert P. Li Pubbl/distr/stampa Hoboken, NJ,: John Wiley, c2010 **ISBN** 1-282-49134-2 9786612491344 0-470-53895-3 0-470-53894-5 Descrizione fisica 1 online resource (878 p.) Altri autori (Persone) LuChuang LiA. P 615.35 Disciplina 615/.19 Soggetti Enzyme inhibitors Drug development Drugs - Metabolism Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto ENZYME INHIBITION IN DRUG DISCOVERY AND DEVELOPMENT: CONTENTS; PREFACE; CONTRIBUTORS; PART I. DRUG DISCOVERY APPROACHES AND TECHNOLOGIES; 1. The Drug Discovery Process; 2. Medicinal Chemistry of the Optimization of Enzyme Inhibitors; 3. Bioanalytical Technologies in Drug Discovery; 4. Safety Biomarkers in Drug Development: Emerging Trends and Implications; 5. The Role of Drug Metabolism in Drug Discovery; 6. Applied Pharmacokinetics in Drug Discovery and Development; PART II. INHIBITION OF THE DRUG METABOLIZING ENZYMES-THE UNDESIRABLE INHIBITION 7. Enzyme Inhibition and Inactivation: Cytochrome P450 Enzymes8. Cytochrome P450 Induction; 9. Inhibition of Drug-Metabolizing Enzymes in the Gastrointestinal Tract and Its Influence on the Drug-Drug Interaction Prediction; 10. Enzyme Inhibition in Various In Vitro

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Sommario/riassunto

The science and applied approaches of enzyme inhibition in drug discovery and development Offering a unique approach that includes both the pharmacologic and pharmaco-kinetic aspects of enzyme inhibition, Enzyme Inhibition in Drug Discovery and Development examines the scientific concepts and experimental approaches related to enzyme inhibition as applied in drug discovery and drug development. With chapters written by over fifty leading experts in their fields, Enzyme Inhibition in Drug Discovery and Development fosters a cross-fertilization of pharmacology, drug metabolism,