1. Record Nr. UNINA9910784654703321 Autore Kenakin Terrence P Titolo A pharmacology primer [[electronic resource]]: theory, applications, and methods / / Terry Kenakin Burlington, MA: London, : Academic Press, c2006 Pubbl/distr/stampa **ISBN** 1-280-70765-8 9786610707652 0-08-046530-7 Edizione [2nd ed.] Descrizione fisica 1 online resource (319 p.) Disciplina 615.1 615/.7 Soggetti Pharmacology Drugs Chemicals - Physiological effect Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Previous ed.: London: Elsevier, 2004. Nota di bibliografia Includes bibliographical references and index. Front cover: A PHARMACOLOGY PRIMER THEORY, APPLICATION, AND Nota di contenuto METHODS: Copyright page: Foreword to Second Edition: Foreword to First Edition; Table of contents; Chapter 1. What Is Pharmacology?; 1.1 About This Book: 1.2 What Is Pharmacology?: 1.3 The Receptor Concept; 1.4 Pharmacological Test Systems; 1.5 The Nature of Drug Receptors; 1.6 Pharmacological Intervention and the Therapeutic Landscape; 1.7 System-independent Drug Parameters: Affinity and Efficacy; 1.8 What Is Affinity?; 1.9 The Langmuir Adsorption Isotherm; 1.10 What Is Efficacy?; 1.11 Dose-response Curves 1.12 Chapter Summary and Conclusions1.13 Derivations: Conformational Selections as a Mechanism of Efficacy; References; Chapter 2. How Different Tissues Process Drug Response; 2.1 Drug Response as Seen Through the "Cellular Veil"; 2.2 The Biochemical Nature of Stimulus-response Cascades; 2.3 The Mathematical Approximation of Stimulus-response Mechanisms: 2.4 System Effects on Agonist Response: Full and Partial Agonists; 2.5 Differential Cellular Response to Receptor Stimulus; 2.6 Receptor Desensitization and

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