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The Art of Drug Synthesis

By -

Wiley-Interscience, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword. Preface. Contributors. 1 THE ROLE OF MEDICINAL CHEMISTRY IN DRUG DISCOVERY (John A. Lowe, III). 1.1 Introduction. 1.2 Hurdles in the Drug Discovery Process. 1.3 The Tools of Medicinal Chemistry. 1.3.1 In Silico Modeling. 1.3.2 Structure-Based Drug Design (SBDD). 1.4 The Role of Synthetic Chemistry in Drug Discovery. References. 2 PROCESS RESEARCH: HOW MUCH? HOW SOON? (Neal G. Anderson). 2.1 Introduction. 2.2 Considerations for Successful Scale-up to Tox Batches and Phase I Material. 2.3 Considerations for Phase 2 Material and Beyond. 2.3.1 Reagent Selection. 2.3.2 Solvent Selection. 2.3.3 Unit Operations. 2.3.4 Developing Simple, Effective, Efficient Work-ups and Isolations. 2.3.5 The Importance of Physical States. 2.3.6 Route Design and Process Optimization to Minimize COG. 2.4 Summary. References. I CANCER AND INFECTIOUS DISEASES. 3 AROMATASE INHIBITORS FOR BREAST CANCER: EXEMESTANE (AROMASIN), ANASTROZOLE (ARIMIDEX), AND LETROZOLE (FEMARA) (Jie Jack Li). 3.1 Introduction. 3.2 Synthesis of Exemestane. 3.3 Synthesis of Anastrozole. 3.4 Synthesis of Letrozole. References. 4 QUINOLONE ANTIBIOTICS: LEVOFLOXACIN (LEVAQUIN), MOXIFLOXACIN (AVELOX), GEMIFLOXACIN (FACTIVE), AND GARENOXACIN (T-3811) (Chris Limberakis). 4.1 Introduction. 4.1.1 Mechanism of Action. 4.1.2 Modes of Resistance. 4.1.3 Structure-Activity Relationship (SAR) and Structure-Toxicity Relationship...


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Reviews

Extensive guide! Its such a excellent read. This can be for anyone who statte that there was not a worth looking at. I am just effortlessly will get a satisfaction of looking at a written publication.

-- **Melvin Hettinger**

This book will not be effortless to start on reading through but very exciting to learn. It is amongst the most remarkable book i have got go through. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Dr. Easton Collier DVM**