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| Nota di contenuto | DRUG DISCOVERY AND DEVELOPMENT; CONTENTS; Contributors; Preface; 17 Bioactive Molecules in Medicinal Plants: A Perspective on Their Therapeutic Action; 17.1 Introduction; 17.2 Evolutionary Relationships Among Plants and Humans; 17.3 Traditional Wisdom; 17.4 Unique Libraries for Plants; 17.5 Drugs and Bioactive Molecules from Plants; 17.6 Synergism in Herbal Formulations; 17.7 Interactions Between Modern Drugs and Natural Products; 17.8 Bioavailability and Bioefficacy Enhancers; 17.9 Combination Therapies in Modern Drugs; 17.10 Role of Developments in Technologies and Analytical Tools 17.10.1 Developments in Separation Technologies17.10.2 Developments in Combined Techniques and Advanced Technologies; 17.10.3 Molecular Farming and Bioengineering of Medicinal Plants; 17.10.4 High-Throughput Screening of Natural Products; 17.11 Herbal Medicine: The Best Possible Route to Health Care; References; 18 Natural Products as an Inspiration for the Discovery of New High- Throughput Chemical Synthesis Tools; 18.1 Introduction; 18.2 Solid- Supported Reagents as Tools in Natural Product Synthesis; 18.3 Multistep Use of Supported Reagents in Natural Product Synthesis; 18.4 |

Conclusions

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19 Insulin Sensitizers: Emerging Therapeutics; 19.1 Introduction; 19.2 Therapeutic Interventions; 19.3 Discovery of Insulin Sensitizers; 19.4 Journey Toward New Drugs; 19.5 Conclusions; References;
20 Criteria for Industrial Readiness of Chiral Catalysis Technology for the Synthesis of Pharmaceuticals; 20.1 Introduction; 20.2 Criteria for Technology Readiness; 20.3 Examples of Industrially Ready Chiral Catalytic Technologies and Their Application; 20.3.1 Lipase Bioresolution: Ethyl 3-Amino-3-Phenylpropionate; 20.3.2 Aminoacylase Bioresolution of N-Acylamino Acids
20.3.3 Asymmetric Hydrogenation of Prochiral Olefins by Rhodium-DuPhos Catalysts
20.3.4 Asymmetric Hydrogenation of Prochiral Ketones by Ruthenium-Biphosphine-Diamine Catalysts; 20.3.5 Asymmetric Hydroformylation with Rhodium-Phosphite Catalysts; 20.3.6 Asymmetric Allylic Substitution with Palladium-Based Catalysts;
20.4 How Industrially Ready Technology Can Deliver Commercial Advantages; 20.5 Conclusions; References;
21 Enantioselective Synthesis of Propargyl Alcohols as Multifunctional Synthons; 21.1 Introduction; 21.2 Asymmetric Reduction of Prochiral , -Alkynyl Ketones
21.3 Addition of Acetylenic Anion to Carbonyl Carbon
21.4 Desymmetrization and Enzymatic Strategies for Chiral Propargyl Alcohol Synthesis; 21.5 -Elimination Strategy and Miscellaneous Approaches; 21.6 Conclusions; References;
22 Carbohydrates: From Chirons to Mimics; 22.1 Introduction; 22.2 Synthetic Strategies for C-Glycosides; 22.3 Synthetic Strategies for Carbon-Linked Disaccharides and Pseudosaccharides; References;
23 Meeting the Challenges of Process Development and Scale-up of Active Pharmaceutical Ingredients; 23.1 Introduction; 23.1.1 Drug Development in the Pharmaceutical Industry
23.1.2 Challenges in Developing and Scaling Up Chemical Processes

Sommario/riassunto

From first principles to real-world applications—here is the first comprehensive guide to drug discovery and development. Modern drug discovery and development require the collaborative efforts of specialists in a broad array of scientific, technical, and business disciplines—from biochemistry to molecular biology, organic chemistry to medicinal chemistry, pharmacology to marketing. Yet surprisingly, until now, there were no authoritative references offering a complete, fully integrated picture of the process. The only comprehensive guide of its kind, this groundbreaking two-volume re

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| 2. Record Nr. | UNISA996388754703316 |
| Autore | Leigh Edward <1602-1671.> |
| Titolo | The saints encouragement in evil times: or Observations concerning the martyrs in generall [[electronic resource]] : with some memorable collections out of Foxes three volumes. Martin Luther. The covenant and promises. Living and dying by faith. By Edward Leigh Esquire |
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| Note generali | The title words "Foxes ... faith" are joined by left brace. Title page signed A2. With an index. Copy tightly bound with print show-through. Reproduction of the original in the Bodleian Library, Oxford. |
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