1. Record Nr. UNINA9910818385103321 Titolo The organic chemistry of drug synthesis. Volume 7 / / Daniel Lednicer Hoboken, N.J.:,: John Wiley & Sons,, 2008 Pubbl/distr/stampa **ISBN** 1-281-20373-4 9786611203733 0-470-18067-6 0-470-18066-8 Descrizione fisica 1 online resource (xiii, 272 pages): illustrations Collana Organic chemistry of drug synthesis Altri autori (Persone) LednicerDaniel <1929-> Disciplina 547.2 615/.19 Soggetti Pharmaceutical chemistry Organic compounds - Synthesis Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "Wiley-Interscience." Nota di contenuto THE ORGANIC CHEMISTRY OF DRUG SYNTHESIS: CONTENTS: Preface: 1 OPEN-CHAIN COMPOUNDS; 1. Peptidomimetic Compounds; A. Antiviral Protease Inhibitors; 1. Human Immunodeficiency Virus; 2. Human Rhinovirus; 2. Miscellaneous Peptidomimetic Compounds; References; 2 ALICYCLIC COMPOUNDS; 1. Monocyclic Compounds; A. Prostaglandins; B. Antiviral Agents; C. Miscellaneous Monocyclic Compounds: 2. Polycyclic Compounds: Steroids: A. 19-Nor Steroids: B. Corticosteroid Related Compounds; 3. Polycyclic Compounds; References; 3 MONOCYCLIC AROMATIC COMPOUNDS; 1. Arylcarbonyl Derivatives; 2. Biphenyls 3. Compounds Related to Aniline 4. Compounds Related to Arylsulfonic Acids; 5. Diarylmethanes; 6. Miscellaneous Monocyclic Aromatic Compounds; References; 4 CARBOCYCLIC COMPOUNDS FUSED TO A BENZENE RING; 1. Indenes; 2. Naphthalenes; 3. Tetrahydronaphthalenes; 4. Other benzofused carbocyclic compounds; References; 5 FIVE-MEMBERED HETEROCYCLES; 1. Compounds with One Heteroatom; 2. Compounds with Two Heteroatoms; A. Oxazole and

Isoxazoles; B. Imidazoles and a Pyrrazole; C. Thiazoles; D. Triazoles; E. Tetrazoles; References; 6 SIX-MEMBERED HETEROCYCLES; 1.

Compounds with One Heteroatom

A. PyridinesB. Reduced Pyridines; C. Miscellaneous; 2. Compounds with Two Heteroatoms; A. Pyrimidines; B. Miscellaneous Six-Membered Heterocycles; References; 7 FIVE-MEMBERED HETEROCYCLES FUSED TO ONE BENZENE RING; 1. Compounds with One Heteroatom; A. Benzofurans; B. Indoles; C. Indolones; D. Miscellaneous Compounds with One Heteroatom; 2. Five-Membered Rings with Two Heterocyclic Atoms; A. Benzimidazoles; B. Miscellaneous Compounds; References; 8 SIX-MEMBERED HETEROCYCLES FUSED TO ONE BENZENE RING; 1. Compounds with One Heteroatom; A. Benzopyrans; B. Quinolines and Their Derivatives

C. Quinolone Antibacterial Agents 2. Compounds with Two Heteroatoms; A. Benzoxazines; B. Quinazolines; C. Miscellaneous Benzo-Fused Heterocycles; References; 9 BICYCLIC FUSED HETEROCYCLES; 1. Compounds with Five-Membered Rings Fused to Six-Membered Rings; A. Compounds with Two Heteroatoms; B. Compounds with Three Heteroatoms; C. Compounds with Four Heteroatoms; 2. Compounds with Two Fused Six-Membered Rings; 3. Miscellaneous Compounds with Two Fused Heterocyclic Rings: Beta Lactams; References; 10 POLYCYCLIC FUSED HETEROCYCLES; 1. Compounds with Three Fused Rings; 2. Compounds with Four Fused Rings 3. Compounds with Five or More Fused Rings: Camptothecins; References; Subject Index; Cross Index of Biological Activity; Cumulative Index

Sommario/riassunto

The classic reference on the synthesis of medicinal agents --now completely updated The seventh volume in the definitive series that provides a quick yet thorough overview of the synthetic routes used to access specific classesof therapeutic agents, this volume covers approximately 220 new non-proprietary drug entities introduced since the publication of Volume 6.Many of these compounds represent novel structural types firstidentified by sophisticated new cell-based assays. Specifically, a significant number of new antineoplastic and antiviral agents are covered.