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Altri autori (Persone)	CaronStephane
Disciplina	547/.2
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Note generali	Formerly CIP.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Preface. Chapter 1: Aliphatic Nucleophilic Substitution (Jade D. Nelson). Chapter 2: Addition to Carbon-Heteroatom Multiple Bonds (Rajappa Vaidyanathan and Carrie Brockway Wager). Chapter 3: Addition to Carbon Carbon Multiple Bonds (John A. Ragan). Chapter 4: Nucleophilic Aromatic Substitution (Stephane Caron and Arun Ghosh). Chapter 5: Electrophilic Aromatic Substitution (Stephane Caron). Chapter 6: Selected Metal-mediated cross-coupling reactions (Stephane Caron, Arun Ghosh, Sally Gut Ruggeri, Nathan D. Ide, Jade D. Nelson, and John A. Ragan). Chapter 7: Rearrangements (David H. B. Ripin). Chapter 8: Eliminations (Sally Gut Ruggeri). Chapter 9: Reductions (Sally Gut Ruggeri, Stephane Caron, Pascal Dube, Nathan D. Ide, Kristin E. Price, John A. Ragan, and Shu Yu). Chapter 10: Oxidations (David H. Brown Ripin). Chapter 11: Selected Free Radical Reactions (Nathan D. Ide). Chapter 12: Synthesis of "Nucleophilic" Organometallic Reagents (David H. Brown Ripin). Chapter 13: Synthesis of Common Aromatic Heterocycles (Stephane Caron). Chapter 14: Access to Chirality (Robert W. Dugger). Chapter 15: Synthetic Route Development of Selected Contemporary Pharmaceutical Drugs (Stephane Caron). Chapter 16: Green Chemistry (Juan C.

Colberg). Chapter 17: Naming Carbocycles and Heterocycles (Heather N. Frost and David H. B. Ripin). Chapter 18: pKa (David H. Brown Ripin). Chapter 19: General Solvent Properties (Stephane Caron). Chapter 20: Practical Chemistry Concepts Tips for the Practicing Chemist or Things They Don't Teach You in School (Sally Gut Ruggeri).

Sommario/riassunto

"A must-have desktop reference and textbook for every student and professional working in organic chemistry or related fields, Practical Synthetic Organic Chemistry: Proven Reactions from the Chemical Literature provides the user with practical knowledge to assist in the planning and execution of synthetic reactions in the laboratory.

Organized classically by reaction type, the work selects the most reliable and useful reactions, and provides the information necessary for a chemist to strategically plan a synthesis, as well as repeat the procedures in the laboratory. The text provides information on the basics of the reaction, the synthetic procedure(s), mechanism, and scope of the reaction"--

"This book is a hands-on guide for the organic chemist. Focusing on the most reliable and useful reactions, the chapter authors provide the information necessary for a chemist to strategically plan a synthesis, as well as repeat the procedures in the laboratory"--
