

1. Record Nr.	UNINA9910962677803321
Autore	Rahman Atta-ur
Titolo	Advances in organic synthesis : modern organofluorine chemistry-synthetic aspects. Volume 2 // editor, Atta-Ur-Rahman ; executive guest editor, Kenneth K. Laali
Pubbl/distr/stampa	[Saif Zone, Sharjah, United Arab Emirates], : Bentham Science Publishers Ltd., [2006]
ISBN	9781608051984 1608051986
Edizione	[1st ed.]
Descrizione fisica	1 online resource (601 p.)
Collana	Advances in organic synthesis : modern organofluorine chemistry-synthetic aspects, , 1574-0870 ; ; v. 2
Altri autori (Persone)	RahmanAtta-ur- <1942-> LaaliKenneth K
Disciplina	547.23
Soggetti	Organic compounds - Synthesis Organofluorine compounds - Synthesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Cover title.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	CONTENTS; Contributors; Foreword; Editorial; Electrophilic Fluorination with Elemental Fluorine and Reagents Derived from it; The Chemistry of Interhalogen Monofluorides; Fluorination Using Hypervalent Halogen Fluorides; Application of Xenon Difluoride in Synthesis; N-Fluoropyridinium Salts, Synthesis and Fluorination Chemistry; Onium-Poly Hydrogen Fluorides as Acid Catalysts, Ionic Liquids and Fluorinating Agents in Organic Reactions; N-Fluoro-1, 4-Diazoniabicyclo [2.2.2] octane Dication Salts; Efficient Fluorinating Agents and Functionalization Mediators for Organic Compounds, -Fluoroalkyl (Alkenyl) Amino Reagents (FAR) - Recent DevelopmentDAST and Deoxofluor Mediated Nucleophilic Fluorination Reactions of Organic Compounds; Synthetic Approaches to gem-Difluoromethylene Compounds; Fluorinated Polycyclic Aromatic Hydrocarbons (PAHs) and Heterocyclic Aromatic Hydrocarbons (Hetero-PAHs); Synthesis and Utility; Fluorinated Carbohydrates; Enantioselective Electrophilic Fluorination: The Complete Story; Synthesis of Chiral Fluorinated Materials via Biotransformation; Recent Advances in the Chemistry of Fluorine-Cotaining -Allylmetal and

Allenylmetal Complexes

Synthetic Utility of Fluorinated -Keto-Phosphonium Salts, - Phosphonates and Related CompoundsSubject Index

Sommario/riassunto

The volume focuses on recent advances in organofluorine chemistry directed towards selective fluorine introduction into various target molecules, employing both traditional and contemporary, electrophilic and nucleophilic, fluorinating agents. It brings together sixteen chapters written by leading experts and active researchers in the field. It is an excellent source of information for synthetic chemists interested in selective fluorination methods and fluorinated building blocks. "Advances in Organic Synthesis" is a book series devoted to publishing the latest and the most important advances