1. Record Nr. UNINA9910781683703321 Advances in organic synthesis [[electronic resource]]: modern Titolo organofluorine chemistry-synthetic aspects. Volume 2 / / editor, Atta-Ur-Rahman; executive guest editor, Kenneth K. Laali [Saif Zone, Sharjah, United Arab Emirates], : Bentham Science Publishers Pubbl/distr/stampa Ltd., [2006] **ISBN** 1-60805-198-6 Descrizione fisica 1 online resource (601 p.) Collana Advances in organic synthesis: modern organofluorine chemistrysynthetic 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

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## Sommario/riassunto

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

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