Record Nr. UNINA9910830632303321 **Titolo** Photochemical key steps in organic synthesis: an experimental course book / / edited by Jochen Mattay and Axel G. Griesbeck Pubbl/distr/stampa Weinheim, Germany;; New York, New York:,: John Wiley & Sons,, [1994] ©1994 **ISBN** 1-281-75878-7 9786611758783 3-527-61579-2 3-527-61578-4 Descrizione fisica 1 online resource (364 p.) Disciplina 547/.2 Organic compounds - Synthesis Soggetti Organic photochemistry Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and indexes. Photochemical Key Steps in Organic Synthesis; Contents; List of Nota di contenuto Contributors: How To Use This Book: General Features: 1 Carbonyl Compounds; 1.1 Aldehydes and Ketones; 1.2 Enones and Dienones; 2 Nitrogen-containing Chromophores: 3 Aromatic Compounds: 4 Alkenes, Arylalkenes and Cycloalkenes; 5 Organometallic Compounds; 6 Photooxygenation and Photoreduction; 7 Photochemistry in Organized Media; 8 Photochromic Compounds; Graphical Index; Index: Photochemical Key Steps; Subject Index Basic laboratory technique in organic chemistry plays a vital part in the Sommario/riassunto education of chemistry students. This textbook contains a collection of multistep experiments that all feature one or two photochemical key steps. More than 40 researchers active in the field of organic photochemistry have contributed their favorite experiments for this unusual and modern textbook. In addition, a general section discusses reaction control, the interpretation of UV spectra, quantum yields and chemical yields, and gives information on solvents, lamps, filters, and vessels. The experiments chosen ful