

1. Record Nr.	UNINA9911020088803321
Titolo	The vocabulary and concepts of organic chemistry / / Milton Orchin ... [et al.]
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2005
ISBN	9786610276035 9781280276033 1280276037 9780470360880 0470360887 9780471713746 0471713740 9780471713739 0471713732
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (904 p.)
Altri autori (Persone)	OrchinMilton <1914->
Disciplina	547.0014
Soggetti	Chemistry, Organic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Wiley-Interscience publication."
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	THE VOCABULARY AND CONCEPTS OF ORGANIC CHEMISTRY; CONTENTS; PREFACE; 1 Atomic Orbital Theory; 2 Bonds Between Adjacent Atoms: Localized Bonding, Molecular Orbital Theory; 3 Delocalized (Multicenter) Bonding; 4 Symmetry Operations, Symmetry Elements, and Applications; 5 Classes of Hydrocarbons; 6 Functional Groups: Classes of Organic Compounds; 7 Molecular Structure Isomers, Stereochemistry, and Conformational Analysis; 8 Synthetic Polymers; 9 Organometallic Chemistry; 10 Separation Techniques and Physical Properties; 11 Fossil Fuels and Their Chemical Utilization 12 Thermodynamics, Acids and Bases, and Kinetics13 Reactive Intermediates (Ions, Radicals, Radical Ions, Electron-Deficient Species, Arynes); 14 Types of Organic Reaction Mechanisms; 15 Nuclear Magnetic Resonance Spectroscopy; 16 Vibrational and Rotational Spectroscopy: Infrared, Microwave, and Raman Spectra; 17 Mass Spectrometry; 18 Electronic Spectroscopy and Photochemistry; Name

Sommario/riassunto

This book is a basic reference providing concise, accurate definitions of the key terms and concepts of organic chemistry. Not simply a listing of organic compounds, structures, and nomenclatures, the book is organized into topical chapters in which related terms and concepts appear in close proximity to one another, giving context to the information and helping to make fine distinctions more understandable. Areas covered include: bonding, symmetry, stereochemistry, types of organic compounds, reactions, mechanisms, spectroscopy, and photochemistry.
