

1. Record Nr.	UNINA9910143557903321
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Titolo	Ketenes II [[electronic resource] /] / Thomas T. Tidwell
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2006
ISBN	1-280-28821-3 9786610288212 0-470-36177-8 0-471-76767-0 0-471-76766-2
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (672 p.)
Disciplina	547.036 547.436 547/.436
Soggetti	Ketenes Electronic books.
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 index.
Nota di contenuto	KETENES II; Contents; Preface; Introduction; References; 1 Structure, Bonding, and Thermochemistry of Ketenes; 1.1 Theoretical and Computational Studies of Ketenes; 1.1.1 Molecular and Electronic Structure and Energy; References; 1.1.2 Theoretical and Computational Studies of Ketene Reactions; References; 1.1.3 Substituent Effects on Ketenes; References; 1.2 Molecular Structure Determinations; References; 1.3 Thermochemistry of Ketenes; References; 2 Spectroscopy and Physical Properties of Ketenes; 2.1 Nuclear Magnetic Resonance Spectroscopy; References 2.2 Ultraviolet Spectra, Photoelectron Spectra, and Chiroptical PropertiesReferences; 2.3 Infrared Spectra and Raman Spectra; References; 2.4 Dipole Moments; References; 2.5 Mass Spectrometry and Gas Phase Ion Chemistry; References; 3 Preparation of Ketenes; 3.1 Ketenes from Ketene Dimers; References; 3.2 Ketenes from Carboxylic Acids and their Derivatives; 3.2.1 Ketenes from Carboxylic Acids and Anhydrides; 3.2.1.1 Ketenes from Carboxylic Acids; References; 3.2.1.2 Ketenes from Acid Anhydrides; References; 3.2.2 Ketenes from Acyl

Halides and Activated Acids; References

3.2.3 Ketenes from Esters3.2.3.1 Ketenes from Ester Enolates; 3.2.3.2 Ketenes by Ester Pyrolysis; References; 3.2.4 Ketenes by Dehalogenation of α -Halo Carboxylic Acid Derivatives; References; 3.3 Ketenes from Diazo Ketones (Wolff Rearrangements); 3.3.1 Thermal Wolff Rearrangement; 3.3.2 Catalyzed Wolff Rearrangement; 3.3.3 Photochemical Wolff Rearrangement; 3.3.4 Other Routes to Ketocarbene Rearrangements; References; 3.4 Ketenes by Photochemical and Thermolytic Methods; 3.4.1 Ketenes from Cyclobutanones and Cyclobutenones; References 3.4.2 Ketenes from Photolysis of Cycloalkanones and EnonesReferences; 3.4.3 Ketenes from Cyclohexadienones and other Cycloalkenones; References; 3.4.4 Ketenes from Dioxinones; References; 3.4.5 Ketenes by Thermolysis of Alkynyl Ethers; References; 3.4.6 Ketenes from other Thermolytic and Photochemical Routes; References; 3.5 Ketenes from Metal Carbene Complexes; References; 3.6 Ketene Formation from Cations and Free Radicals; References; 3.7 Ketenes from Oxidation of Alkynes; References; 3.8 Other Routes to Ketenes; References; 4 Types of Ketenes; 4.1 Carbon-Substituted Ketenes 4.1.1 AlkylketenesReferences; 4.1.2 Alkenylketenes; References; 4.1.3 Alkynyl- and Cyanoketenes; References; 4.1.4 Aryl- and Heteroarylketenes; References; 4.1.5 Cyclopropyl-, Cyclopropenyl-, and Oxiranylketenes; References; 4.1.6 Acylketenes; References; 4.1.7 Imidoalkylketenes; References; 4.1.8 Cumulene-Substituted Ketenes; References; 4.1.9 Ketenes with Charged, Radical, or Carbenic Side Chains; References; 4.1.10 Fulvenones and Cumulenones; 4.1.10.1 Triafulvenones; 4.1.10.2 Pentafulvenones; References; 4.1.11 Oxoquinone Methides, Oxoxylylenes, and Related Species; References 4.2 Nitrogen-Substituted Ketenes

Sommario/riassunto

The most up-to-date single reference on ketene chemistry for the practicing researcherKetenes are valued by both practicing organic synthetic chemists and pharmaceutical researchers for their ease of preparation, high reactivity, and versatility of use.Ketenes, Second Edition is an updated version of the premier resource on this important class of compounds, and features a comprehensive, self-contained guide to all aspects of ketene chemistry, including:* Types of ketenes* Theoretical studies* Thermochemistry* Ketene preparation* Reactions, including mechani
