

| | |
|-------------------------|--|
| 1. Record Nr. | UNINA9911019721603321 |
| Autore | Grunanger Paolo |
| Titolo | Isoxazoles . Part one / / Paolo Grunanger, Paola Vita-Finzi |
| Pubbl/distr/stampa | New York, : John Wiley & Sons, 1991 |
| ISBN | 9786612307232 9781282307230 1282307231 9780470187357 0470187352 9780470188873 0470188871 |
| Descrizione fisica | 1 online resource (904 p.) |
| Collana | Chemistry of heterocyclic compounds, , 0069-3154 ; ; v. 49 |
| Altri autori (Persone) | Vita-FinziPaola DowlingJames Edward <1966-> |
| Disciplina | 547.592 547/.59/05 547/.592 |
| Soggetti | Oxazoles Chemistry |
| 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. |
| Nota di contenuto | ISOXAZOLES; The Chemistry of Heterocyclic Compounds Introduction to the Series; Preface; Contents; CHAPTER 1; 1. Isoxazoles; 1.1 Introduction; 1.2 Physicochemical Properties; 1.2.1 Infrared Spectra; 1.2.2 Ultraviolet Spectra; 1.2.3 Nuclear Magnetic Resonance Spectra; 1.2.3.1 PMR Spectra; 1.2.3.2 ^{13}C -NMR Spectra; 1.2.3.3 ^{14}N - and ^{15}N -NMR Spectra; 1.2.3.4 Other Nuclei NMR Spectra; 1.2.4 Mass Spectra; 1.2.5 Other Spectra; 1.2.5.1 Microwave Spectra; 1.2.5.2 Photoelectron Spectra; 1.2.5.3 Electron Paramagnetic Resonance Spectra; 1.2.5.4 Electron Spin Resonance Spectra 1.2.5.5 Nuclear Quadrupole Resonance Spectra 1.2.5.6 Other Spectra; 1.2.6 Crystal and Molecular Structure; 1.2.7 Dipole Moments; 1.2.8 Theoretical Calculations; 1.2.8.1 Reactivity, Aromaticity, and Electron Density; 1.2.8.2 Molecular Geometry; 1.2.8.3 Basicity and Dipole |

Moments; 1.2.8.4 Ionization Potentials; 1.2.8.5 Molecular Core Binding Energy; 1.2.8.6 Spectroscopic Data and Conformational Analysis; 1.2.9 Basicity; 1.2.10 Miscellaneous Data; 1.2.11 Analytical Methods; 1.3 Methods of Preparation; 1.3.1 [CCC + NO] Processes; 1.3.1.1 Oximation of 1, 3-Dicarbonyl (and Related) Compounds 1.3.1.2 Oximation of α -Acetylenic Carbonyl (and Related) Compounds 1.3.1.3 Oximation of α -Dihalocarbonyl (and Related) Compounds; 1.3.1.4 Oximation of α , 8-Ethylenic Carbonyl (and Related) Compounds 8-Substituted with Electron-Withdrawing Groups; 1.3.1.5 Oximation of α , β -Ethylenic Carbonyl (and Related) Compounds; 1.3.1.6 Other Oximation Reactions; 1.3.1.7 Synthesis from Unsaturated Compounds and Nitric (Nitrous) Acid; 1.3.1.8 Nitrosation of Ketodicarboxylic Esters; 1.3.2 [CNO + CC] Processes; 1.3.2.1 Cycloaddition of Nitrile Oxides (or Their Precursors) to Acetylenic Compounds 1.3.2.2 Cycloaddition of Nitrile Oxides (or Their Precursors) to Ethylenic Compounds 1.3.2.3 Cycloaddition of Nitrile Oxides (or Their Precursors) with Active Methylene Compounds; 1.3.2.4 Cycloaddition of Nitrile Oxides (or Their Precursors) with Sodium Acetylides or Acetylenic Grignard Reagents; 1.3.2.5 Other [CNO + CC] Processes; 1.3.3 [CNO + 2C] Processes: Syntheses from Nitro Derivatives; 1.3.4 [CCNO + C] Processes; 1.3.4.1 Synthesis from Oxime Dilithium Salts and Carboxylic Acid Derivatives; 1.3.4.2 Reaction of α -Chloroketoximes with Ylides; 1.3.5 [CCCN + O] Process 1.3.6 Cyclization Processes 1.3.6.1 [OCCCN] Processes; 1.3.6.2 [CCCON] Processes; 1.3.6.3 [CCNOC] Processes; 1.3.6.4 [CCCNO] Processes; 1.3.7 From Heterocyclic Compounds; 1.3.7.1 From Other 1, 2-Oxazole Derivatives; 1.3.7.2 From Other Heterocycles; 1.4 Chemical Properties; 1.4.1 Protonation and Quaternization; 1.4.2 Complexation; 1.4.2.1 Metallic Complexes; 1.4.2.2 Molecular Complexes; 1.4.3 Reduction Reactions; 1.4.3.1 Hydrogenolytic Ring Cleavage; 1.4.3.2 Reductions without Ring Cleavage; 1.4.4 Oxidation Reactions; 1.4.5 Thermolysis and Photolysis; 1.4.6 Reactions with Nucleophiles 1.4.6.1 Reactions with Ring Cleavage

Sommario/riassunto

Isoxazoles. Isoxazolines (Dihydroisoxazoles). Isoxazolidines (Tetrahydroisoxazoles). References. Index.
