1. Record Nr. UNINA9911019862203321

Autore	Swan G. A (George Albert), <1917->
Titolo	Phenazines / / G.A. Swan, G.G.I. Felton
Pubbl/distr/stampa	New York, : Interscience, 1957
ISBN	9786612301452 9781282301450 1282301454 9780470186602 0470186607 9780470188101 0470188103
Descrizione fisica	1 online resource (718 p.)
Collana	Chemistry of heterocyclic compounds ; ; v. 11
Altri autori (Persone)	FeltonD. G. I (Desmond Geoffrey Ivins)
Disciplina	547 547.615 547/.59/05
Soggetti	Phenazine 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 index.
Nota di contenuto	PHENAZINES; Preface; Contents; Part I. Phenazine Systems Not Carrying Condensed Rings; I. General Methods for the Synthesis of Phenazine. Its Homologs and Derivatives Not Containing Condensed Nuclei; References; II. Phenazine and Its Homologs; 1. Phenazine; A. Physical Constants; B. Preparation and Importance; C. Structure; D. Salts and Addition Compounds; E. Phenazine-5-oxide; F. Phenazine-5,10-dioxide; 2. Phenazinium Compounds; A. Structure; B. 5-Methylphenazinium Methyl Sulfate; C. 5-Ethylphenazinium Ethyl Sulfate; D. 5-Phenylphenazinium Compounds; 3. Homologs of Phenazine; References III. Hydrogenated Derivatives of Phenazine1.Dihydrophenazines; A. 5,10-Dihydrophenazine; B. 5,10-Dihydro-5-methylphenazine; C. 5-Ethyl-5,l0-dihydrophenazine; D. 5,10-Dihydro-5,10-dimethylphenazine; E. 5,10-Dihydro-5-phenylphenazine; F. 5,l0-

Diaryl-5,10-dihydrophenazines (Perazines); 2. The Phenazhydrins, Phenazyls and Semiquinones; A. Historical; B. Semiquinones of the Phenazine Series; C. The Phenazyls; D. The Phenazhydrins; E. Complexes Formed between Phenazine and Primary or Secondary Aromatic Bases; F. Complex Salts of the Phenazhydrins; G. Conclusion; 3. Tetrahydrophenazines
A . 1,2,3,4-TetrahydrophenazineB. 1,2,3,4-Tetrahydro-1-methylphenazine; C. 1,2,3,4-Tetrahydro-2-methylphenazine; D. 1,2,3,4-Tetrahydro-7-methylphenazine; E. 2,3,5,10-Tetrahydro-5,10-dimethylphenazine; 4. Octahydrophenazines; A. 1,2,3,4,6,7,8,9-Octahydrophenazine; B. cis-and trans-1,2,3,4,4a,5,10,10a-Octahydrophenazines; 5.Tetradecahydrophenazines; 6. Hydrophenazines Derived from Camphor, etc.; A. Introduction .; B. 1,2,3,4,4a,6,7,8,9,9a-Decahydro-1,6,11,11,12,12-hexamethyl-1,4,6,9-dimethanophenazine; C. 1,2,3,4,6,7,8,9-Octahydro-1,6,11,11,12,12-hexamethyl-l,4,6,9-dimethanophenazine
D. 1,2,3,4,4a,5,5a,6,7,8,9,9a,10,10a,Tetradecahydro-1,6,11,12,12-hexamethyl-1,4,6,9-dimethanophenazineE. 1,2,3,4.5a,6,7,8,9.10a-Decahydro-1,6,11,11,12,1,2-hexamethyl-1,4,6,9-dimethanophenazine; F. 1,2,3,4,6,7,8,9-Octahydro-1,9,11,11,12,12, hexamethyl-l,4,6,9-dimethanophenazine; G. 1,2,3,4,4a,6,7,8,9,9a-Decahydro-1,9,11,11,12,12-hexamethyl-1,4,6,9-dimethanophenazine; H. 1,2,3,4,4a.5,6,7,8,9,10,10a-Dodecahydro-1,9,11,11,12,1 2-hexamethyl-1,4,6,9-dimethanophenazine; I. Other Related Compounds; References; IV. Substitution Products of Phenazine (Excluding Hydroxy and Amino Compounds)
1. Introduction2. Halogen Derivatives; 3. Nitro Derivatives; 4. Sulfones; 5. Sulfonic Acids; 6. Phenazinecarboxylic Acids; A. 1-Phenazinecarboxylic Acid; B. 2-Phenazinecarboxylic Acid; C. Phenazinedicarboxylic Acids; 7. Sirius Light Yellow R . R; 8. Arsonic Acids; References; V. Hydroxy and Keto Derivatives of Phenazine; 1. Introduction; 2. Monohydroxy and Monoketo Derivatives; A. 1-Phenazinol; B. 2-Phenazinol; C. Aposafranone; D. 3-Hydroxy-10-phenylphenazinium Salts; 3. Derivatives Containing Two Oxygen Atoms; A. Phenazinediols; B. 3-Hydroxyaposafranone; C. Phenosafranol 4. Derivatives Containing Three or More Oxygen Atoms

Sommario/riassunto

Chemistry of Heterocyclic Compounds publishes articles, letters to the Editor, reviews, and minireviews on the synthesis, structure, reactivity, and biological activity of heterocyclic compounds including natural products. The journal covers investigations in heterocyclic chemistry taking place in scientific centers of all over the world, including extensively the scientific institutions in Russia, Ukraine, Latvia, Lithuania and Belarus.