

1. Record Nr.	UNINA9910877531703321
Autore	Mustafa Ahmed <1918->
Titolo	Benzofurans
Pubbl/distr/stampa	New York, : Wiley, 1974
ISBN	1-282-30174-8 9786612301742 0-470-18699-2 0-470-18850-2
Edizione	[99th ed.]
Descrizione fisica	1 online resource (538 p.)
Collana	The Chemistry of heterocyclic compounds ; ; v. 29
Disciplina	547.592 547/.59/05 547/.592
Soggetti	Benzofuran Heterocyclic compounds
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.
Nota di contenuto	Front Matter; Preface; Contents; I. Benzofurans; 1. Introduction and Nomenclature; 2. Benzofuran and Its Alkyl Derivatives; A. Preparation; a. Catalytic Dehydrocyclization; b. Cyclization of Allylphenols; c. Cyclodehydration of Aryloxy ketones; d. Rearrangement of O-Aryloximes; e. Dehydrogenation of Bz-Alkyldihydrobenzofurans; f. Reduction of 2-Acetyl-o-benzoquinols; g. Hydrogenation of 2-Acetylbenzofuran; h. Reaction of Copper Acetylides with Aryl Halides; i. Decarboxylation of Benzofurancarboxylic Acids; j. Photochemical Formation of Benzofurans; k. Adsorptive Cyclization I. Condensation of Methylene Bis (ethyl sulfone) with Salicylaldehydes 3. Aryl benzofurans; A. Preparation; a. Cyclodehydration of w-Arloxyacetophenones; b. Condensation of Benzoin with Phenols; c. 1,3-Dipolar Additions of Oxocarbenes; d. Copper-Catalyzed Decomposition of Diazoketones; e. Ethynylation of P-Benzoquinone; f. Oxidation of Flavylium and Pyrylium Salts; g. Algar-Flynn-Oyamada Oxidation of 2'-Hydroxychalcones; h. Acid-Catalyzed Cyclization of O-Aryloximes; i. Photolytic Cyclizations.; j. Miscellaneous; 4. Halobenzofurans; A. Chloro Derivatives; B. Bromo Derivatives; C. Iodo

Derivatives

D. Fluoro Derivatives; 5. Nitrobenzofurans; 6. Benzofuranols; 7. Aminobenzofurans; 8. Benzofuranquinones; 9. Miscellaneous Reactions and Properties; A. Catalytic Hydrogenation; B. Oxidation; C. Ozonolysis; D. Nitration; E. Halogenation; F. Benzofuranylmetallic Compounds; G. Friedel-Crafts Techniques; H. Hoesch and Gatterman Techniques; I. With Diazoalkanes; J. With Dihalocarbene; K. Cyclophotochemical Addition; L. Polymerization; M. Miscellaneous Reactions; References; II. Acylbenzofurans; 1. Formylbenzofurans; 2. Acylbenzofurans; 3. Miscellaneous reactions; A. Reduction; B. Oxidation; C. Alkaline Degradation; D. Rearrangement of Acylbenzofuran Oximes; E. Rearrangement (Migration) in Acylbenzofurans; F. Willgerodt-Kindler Reaction; G. Wittig Reaction; H. Miscellaneous; References; III. Benzofurancarboxylic acids; 1. Benzofuran monocarboxylic Acids; A. 2-Benzofurancarboxylic Acids; B. 3-Benzofurancarboxylic Acids; C. Hydroxybenzofurancarboxylic Acids; 2. Benzofuran Dicarboxylic Acids; 3. Benzofuranylalkanoic Acids; A. Benzofuranylacetic Acids; B. Benzofuranylpropionic Acids; C. Benzofuranylbutyric Acids; D. Miscellaneous Benzofuranylalkanoic Acids; 4. Miscellaneous Reactions of Benzofurancarboxylic Acids; A. Halogenation; B. Chloromethylation; C. Nitration; D. Saponification; E. Catalytic Hydrogenation; F. Peroxide Formation and Ozonolysis; G. Acylation; H. Alkylation; I. Miscellaneous Reactions; References; IV. Hydrogenated Benzofurans; 1. Dihydrobenzofurans; A. Alkyl- (or Aryl-) Substituted 2,3-Dihydrobenzofurans; B. Halogen-Substituted 2,3-Dihydrobenzofurans; C. Nitro-Substituted 2,3-Dihydrobenzofurans; D. Amino-Substituted 2,3-Dihydrobenzofurans; E. 2,3-Dihydrobenzofuranols; F. Geometrical Isomers of 2,3-Dihydrobenzofurans; G. Miscellaneous Reactions of 2,3-Dihydrobenzofurans

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.
