

1. Record Nr.	UNINA9910714139803321
Autore	Nowicke Joan W.
Titolo	Pollen morphology and the relationship of the Plumbaginaceae, Polygonaceae, and Primulaceae to the order Centrospermae // Joan W. Nowicke and John J. Skvarla
Pubbl/distr/stampa	City of Washington : , : Smithsonian Institution Press, , 1977
Descrizione fisica	1 online resource (iii, 64 pages) : illustrations
Collana	Smithsonian contributions to botany ; ; number 37
Soggetti	Plumbaginaceae - Palynotaxonomy Polygonaceae - Palynotaxonomy Primulaceae - Palynotaxonomy Caryophyllales - Palynotaxonomy Plumbaginaceae - Pollen - Morphology Polygonaceae - Pollen - Morphology Primulaceae - Pollen - Morphology Caryophyllales - Pollen - Morphology
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Autore	Breslow David Samuel <1916->
Titolo	Multi-sulfur and sulfur and oxygen five- and six-membered heterocycles . Part one / / David S. Breslow, Herman Skolnik
Pubbl/distr/stampa	New York, : Interscience, 1966
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Collana	Chemistry of heterocyclic compounds ; ; 21/1
Altri autori (Persone)	SkolnikHerman
Disciplina	547.594 547/.59/05
Soggetti	Organosulfur compounds Heterocyclic compounds
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Note generali	Description based upon print version of record.
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Nota di contenuto	MULTI-SULFUR AND SULFUR AND OXYGEN FIVE- AND SIXMEMBERED HETEROCYCLES; CONTENTS OF PART ONE; 1. C2O2S Ring Systems; I. C2O2S 1, 3, 2-Dioxathiolane and 1, 3, 2-Dioxathiole; A. Sulfite Esters of 1, 2-Glycols; 1. Preparation; 2. Structure and Physical Properties; 3. Reactions; 4. Uses; B. Sulfate Esters of 1, 2-Glycols; 1. Preparation; 2. Structure and Reactions; C. Sulfate Esters of Enediols; D. 1, 3, 2-Dioxathiolan-4-one 2-Oxides; II. C4-C2O2S 2, 4-Dioxa-3-thiabicyclo [3. 2. 0]heptane; III. C2O2S-C2O2S 1, 3, 2-Dioxathiolo[1, 3, 2] dioxathiole Glyoxal Sulfate IV. C2O2S-C4O Furo[3, 4-d]-l, 3, 2-dioxathioleV. C2O2S-C4S Thieno [3, 4-d]-1, 3, 2-dioxathiole; VI. C2O2S-C5 3aH-Cyclopenta-1, 3, 2-dioxathiole; VII. C2O2S-C5O 4H-Pyrano[3, 4-d]-1, 3, 2-dioxathiole; VIII. C2O2S-C6 1, 3, 2-Benzodioxathiole; A. Sulfite Esters; B. Sulfate Esters; IX. C2O2S-C7 4H-Cyclohepta-1, 3, 2-dioxathiole; X. C2O2S-C4O-C4O 1, 7, 11, 13-Tetraoxa-12-thiadispiro-[4. 0. 4. 3]trideca-3,

9-diene-2, 8-dione; XI. C2O2S-C4N-C5N 6H-Cyclohepta-1, 3, 2-dioxathiol-4, 8-imine; XII. C2O2S-C5-C6 8H-Indeno[1, 2-d]-1, 3, 2-dioxathiole
 XIII. C2O2S-C4O2-C5O 4H, 6H-1, 3, 2-Dioxathiolo[4, 5]-pyrano[3, 2-d]-m-dioxinXIV. C2O2S-C6C6; A. Naphtho[1, 2-d]-1, 3, 2-dioxathiole; B. Naphtho[2, 3-d]-1, 3, 2-dioxathiole; XV. C2O2S-C6-C6-C6; A. Anthra[1, 2-d]-1, 3, 2-dioxathiole; 1. Sulfite Esters; 2. Sulfate Esters; B. Anthra[2, 3-d]-1, 3, 2-dioxathiole; C. Phenanthro[9, 10-d]-1, 3, 2-dioxathiole; XVI. C2O2S-C4N-C4N-C9O2 [1, 3, 2]Dioxathiolo-[4', 5' : 8, 9][1, 6]dioxacycloundeca[2, 3, 4-gh]-pyrrolizine; XVII. C2O2S-C4N-C4N-C10O2 Spiro[1, 6]dioxacyclododeca-[2, 3, 4-gh]-pyrrolizine-9 (8H), 4'-[1, 3, 2]-dioxathiolane
 XVIII. C2O2S-C5-C6-C6-C6A. Cyclopenta[1, 2]phenanthro[4, 4a-d][1, 3, 2]-dioxathiole; B. Cyclopenta[1, 2]phenanthro[1, 10a-d][1, 3, 2]-dioxathiole; XIX. C2O2S-C6-C6-C6-C6; A. Chryseno[5, 6-d]-1, 3, 2-dioxathiole; B. 4, 9-o-Benzenonaphtho[2, 3-d]-1, 3, 2-dioxathiole; XX. C2O2S-C4O-C4O-C5-C6-C6 3H, 9H-11b, 13a-Epoxyccyclopenta[1, 2]phenanthro[4, 4a-d][1, 3, 2]dioxathiole; 2. C2OS2 Ring Systems; I. 1, 2, 5-Oxadithia Compounds; A. C2OS2 1, 2, 5-Oxadithiolane; B. C2OS2-C4SThieno[3, 4-c][1, 2, 5]oxadithiole; C. C2OS2-C6 2, 1, 3-Benzoxadithiole; D. C2OS2-C6-C6 Naphth[1, 2-c][1, 2, 5]oxadithiole II. 1, 3, 4-Oxadithia CompoundsC2OS2 1, 3, 4-Oxadithiolane; 3. C2S3 Ring Systems; I. 1, 2, 3-Trithia Compounds; A. C2S3 1,2,3-Trithiole; B. C2S3-C6 Benzotrithiole; C. C2S3-C4N2-C6 Trithiolo[4, 5-b]quinoxaline; II. 1, 2, 4-Trithia Compounds; A. C2S3 1, 2, 4-Trithiolane; B. Spiro Derivatives of 1, 2, 4-Trithiolane; 4. C3OS Ring Systems; I. 1, 2-Oxathia Compounds; A. C3OS 5H-1, 2-Oxathiole, 3H-1, 2-Oxathiole, and 1, 2-Oxathiolane; 1. 3H-1, 2-Oxathiole; 2. 5H-1, 2-Oxathiole; 3. 1, 2-Oxathiolane; a. 1, 2-Oxathiolane 2, 2-Dioxide; (1) Preparation; (a) From 3-Chloroalkanesulfonic Acids
 (b) From 3-Hydroxyalkanesulphonic Acids

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.