Record Nr. UNINA9910830721503321 Autore Brown D. J Titolo Cinnolines and phthalazines [[electronic resource]]: supplement II // D.J. Brown Pubbl/distr/stampa Hoboken, N.J., : Wiley, c2005 **ISBN** 1-280-23559-4 9786610235599 0-470-31848-1 0-471-74412-3 0-471-74411-5 Descrizione fisica 1 online resource (499 p.) Collana Chemistry of heterocyclic compounds;; v. 64 Altri autori (Persone) CastleRaymond N <1916-> (Raymond Nielson) Disciplina 547.2 547.593 Soggetti **Pyridazines** Organic compounds - Synthesis Chirality Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "Covers both ring systems for the period 1973-2004 with a comprehensive compilation and discussion of the literature"--P. vii. Continues a supplemental review by G.M. Singerman and N.R. Patel in: Condensed pyridazines including cinnolines and phthalazines / edited by Raymond N. Castle. 1973. Includes bibliographical references (p. 413-443) and index. Nota di bibliografia Nota di contenuto CINNOLINES AND PHTHALAZINES Supplement II; Preface; Contents; CHAPTER 1 PRIMARY SYNTHESES OF CINNOLINES; 1.1 From a Single Carbocyclic Substrate; 1.1.1 By Formation of the N1-C8a Bond; 1.1.2 By Formation of the N1-N2 Bond; 1.1.3 By Formation of the N2-C3 Bond; 1.1.4 By Formation of the C3-C4 Bond; 1.1.5 By Formation of the C4-C4a Bond; 1.2 From a Carbocyclic Substrate and One Synthon; 1.2.1 When the Synthon Supplies N2 of the Cinnoline; 1.2.2 When the Synthon Supplies N1 + N2 of the Cinnoline; 1.2.3 When the Synthon Supplies N2 + C3 of the Cinnoline 1.2.4 When the Synthon Supplies C3 + C4 of the Cinnoline1.2.5 When the Synthon Supplies N1 + N2 + C3 + C4 of the Cinnoline; 1.3 From a Pyridazine Substrate; 1.4 From Other Heteromonocyclic Substrates; 1.5

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## Sommario/riassunto

This book provides the most comprehensive, current reference on the synthetic chemistry of cinnolines and phthalazines. Applications to the syntheses of natural products and other chiral compounds are described. Volume 64 contains chapters exploring the following topics: \* Primary Syntheses of Cinnolines\* Cinnoline, Alklycinnolines, and Arylcinnolines\* Halogenocinnolines\* Oxycinnolines\* Thiocinnolines\* Nitro-, Amino-, and Related Cinnolines\* Cinnolinecarboxylic Acids and Related Derivatives\* Primary Syntheses of Phthalazines\* Phthalazine, Alklyphthalazines, a