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Nota di contenuto	FUSED PYRIMIDINES: PURINES; Contents; Tables; I. Introduction to the Purines; 1. History; TABLE 1. Trivial Names of Purines; 2. Nomenclature and Notation; 3. The Basis of Purine Chemistry; A. The Electrophilic Character of the 2-, 6- and 8-Carbon Atoms; B. The Nucleophilic Character of the 8-Carbon Atom; C. Tautomeric Groups; 4. General Summary of Purine Chemistry; A. Electrophilic Substitution; (a) Nitration; (b) Diazo Coupling; (c) Halogenation; (d) Alkylation; B. Nucleophilic Substitution; (a) Halogen Replacement by Amino Groups; (b) Halogen Replacement by Methoxy and Other Alkoxy Groups (c) Halogen Replacement by Oxo Group(d) Halogen Replacement by Alkylthio Groups; (e) Halogen Replacement by Thio Group; (f) Halogen Replacement by Thiocyanato and Cyano Groups; (g) Halogen Replacement by Sulpho Groups; (h) Replacement of Methoxy, Methylthio, and Methylsulphonyl Groups; C. Group Interconversion; (a)

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C. Crystal StructureD. Dipole Moments; E. Polarography; F. Solubility and Melting Point; G. Spectra; Chapter II. Syntheses from Pyrimidines; 1. Use of 4,5-Diaminopyrimidines (The Traube Synthesis); A. History and General Application; B. Cyclisation with Formic Acid; C. Cyclisation with Dithioformic Acid; D. Cyclisation with Other Carboxylic Acids; E. Cyclisation with Acid Anhydride; F. Cyclisation with Acid Chlorides; G. Cyclisation with Orthoesters and Diethoxymethyl Acetate
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T. Cyclisation with Thiophosgene

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.