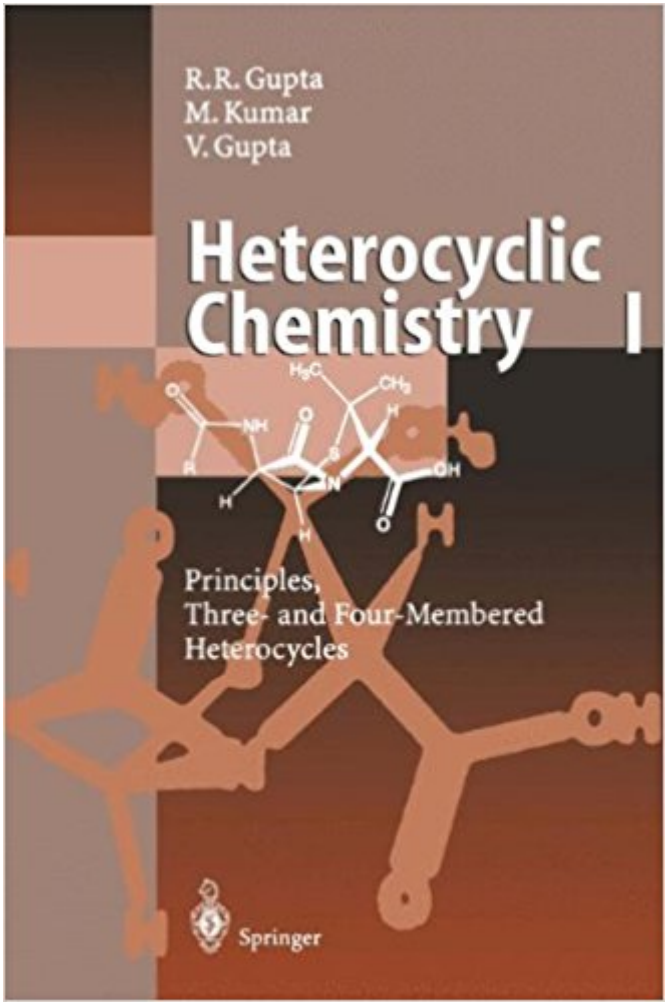
Heterocyclic Chemistry: Volume I: Principles, Three- And Four-Membered Heterocycles



Synopsis

Today, our world increasingly is conceived of as being molecular. An ever widening range of phenomena are described logically in terms of molecular properties and molecular interactions. The majority of known molecules are heterocyclic and heterocycles dominate the fields of biochemistry, medicinal chemistry, dyestuffs, photographic science and are of increasing importance in many others, including polymers, adhesives, and molecular engineering. Thus, the importance of heterocyclic chemistry continues to increase and this three volume work by Drs. R. R. Gupta, Mahendra Kumar and Vandana Gupta is a welcome addition to the available guides on the subject. Its scope places it in a useful niche between the single-volume texts and monographs of heterocyclic chemistry and the multivolume treatises. The authors have retained the well tried classical approach but have succeeded in placing their own individual spin on their arrangement. They have put together a well selected range from among the most important of the vast array offacts available. This factual material is ordered in a clear and logical fashion over the three volumes. The present work should be of great value to students-and practitioners of heterocyclic chemistry at all levels from the advanced undergraduate upwards. It will be of particular assistance in presenting a clear and modem view of the subject to those who use heterocycles in a variety of other fields and we wish it well.

Book Information

Series: Heterocyclic Chemistry
Hardcover: 422 pages
Publisher: Springer; 1 edition (November 25, 1998)
Language: English
ISBN-10: 3540648402
ISBN-13: 978-3540648406
Product Dimensions: 1.2 x 6.8 x 9.8 inches
Shipping Weight: 1.6 pounds
Average Customer Review: Be the first to review this item
Best Sellers Rank: #10,963,349 in Books (See Top 100 in Books) #61 inÂ Books > Science & Math > Chemistry > Organic > Heterocyclic #7175 inÂ Books > Medical Books > Pharmacology > Pharmacy #7910 inÂ Books > Medical Books > Medicine > Internal Medicine > Pathology > Clinical Chemistry

Customer Reviews

The present advanced text-cum-reference book is designed not only for advanced undergraduate and graduate students, but also for academic and industrial researchers who work with heterocyclic compounds. It presents a comprehensive account of the syntheses, reactions, properties and applications of all the most significant classes of heterocyclic compounds. Heterocyclic Chemistry has been organised in three volumes. This first volume contains seven chapters: Introduction, Nomenclature,Aromatic Heterocycles,Non-aromatic Heterocycles Heterocyclic Synthesis,Three-membered Heterocycles and Four-membered Heterocycles. Recent developments in hetero- cyclic chemistry are included. The chapter on heterocyclic synthesis presents an account of general synthetic pathways and provides an in-depth guide to synthetic methodology in heterocyclic chemistry. Subject matter is illustrated by a large number of figures and schemes. This book is a valuable tool for graduate students as well as for academic and industrial researchers in organic, medicinal, pharmaceutical, dye and agricultural chemistry.

Chemistry, Volume 54) QSAR and Molecular Modeling Studies in Heterocyclic Drugs I (Topics in Heterocyclic Chemistry) (v. 1) Comprehensive Heterocyclic Chemistry: The Structure, Reactions, Synthesis, and Uses of Heterocyclic Compounds Palladium in Heterocyclic Chemistry, Volume 20: A Guide for the Synthetic Chemist (Tetrahedron Organic Chemistry) The Chemistry of Heterocycles: Structures, Reactions, Synthesis, and Applications