



Heterocyclic Supramolecules I Topics in Heterocyclic Chemistry

By -

Springer. Paperback. Book Condition: New. Paperback. 201 pages. Dimensions: 9.0in. x 6.0in. x 0.5in. A wide range of fields within supramolecular chemistry are of current and great interest ranging from nanosciences, medicinal sciences, biosciences, and even organic sciences and this is a mature and extremely active area of research. In 1978, Lehn defined this chemistry as the chemistry of molecular assemblies and of the intermolecular bond. In other words, supramolecular chemistry is noncovalent chemistry based upon covalent chemistry. On the other hand, it is well known that replacing the carbon atom of cyclic compounds can lead to dramatic changes in chemical and physical properties and the principles of homocyclic chemistry are often of limited value and may even lead to incorrect results. This is often indeed the case in supramolecular chemistry. The modern explosion of noncovalent chemistry is highly based upon the fundamental recognition of intermolecular interactions engendered by supramolecular scientists. In this volume entitled Heterocyclic Supramolecules I, a part of the series Topics in Heterocyclic Chemistry, some selected topics in noncovalent chemistry from the last decade are highlighted, with attention particularly focused on heterocyclic supramolecules as well as heterocycle-based nanosciences. The first chapter, Molecular Recognition with designed Heterocycles and their...



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