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3.9 Summary; Acknowledgements; References; 4: Supramolecular Chemistry of Metal-Nucleobase Complexes; 4.1 Introduction; 4.2 Discrete Architectures; 4.3 Infinite Architectures; 4.4 Overview of Metal Coordination Sites and Base-Base Hydrogen Bonding; 4.5 M-DNA; 4.6 Conclusion; Acknowledgements; References; Part B: Medical Applications; 5: Platinum Drugs, Nucleotides and DNA: The Role of Interligand Interactions; 5.1 Introduction; 5.2 Internucleotide Interactions; 5.3 Guanine cis Amine Interactions; 5.4 Solid-State Structures of Dynamic Nucleotides
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Sommario/riassunto

Metal ions and metal complexes have long been recognized as critically important components of nucleic acid chemistry, both in regulation of gene expression and as promising therapeutic agents. Understanding how metal complexes interact with DNA has become an active research area at the interface between chemistry, molecular biology and medicine. Metal Complex - DNA Interactions provides a comprehensive overview of this increasingly diverse field, presenting recent developments and the latest research with particular emphasis on metal-based drugs and metal ion toxicity. The text is di
