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The Chemistry Of Macrocyclic Ligand Complexes (Cambridge Texts In Chemistry And Biochemistry)



Synopsis

The study of macrocyclic ligand systems represents a major activity impinging on a wide range of areas in chemistry and biochemistry. This book contains an overview of the macrocyclic ligand systems and discusses the structure and properties of macrocyclic systems; the synthesis of macrocycles; polyether crown and related systems; metal-ion and molecular recognition (host-guest chemistry); and kinetic, thermodynamic, and electrochemical aspects of these complexes. The author also covers the various categories of synthetic and naturally occurring macrocycles.

Book Information

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Customer Reviews

"...a well-organized overview of the main developments in the chemistry of macrocycles."

Science "This very readable book provides an overview of macrocyclic chemistry." Journal of the American Chemical Society "...a trend setter which is destined to be a classic in its time." Angewante Chemie "...a good introduction to macrocyclic ligands; all aspects of macrocyclic chemistry are covered. The synthesis of such ligands is discussed and the importance of the template reaction is pointed out." Structural Chemistry

This book is well representative of the various classes of macrocyclic ligands. It is understandable enough for someone who has a good background in chemistry but isn't very familiar with macrocyclic ligands, yet it would still be quite useful for an experienced inorganic or analytical chemist. Also, there are many illustrations which aid in the visualization of many of the larger

ligands.

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