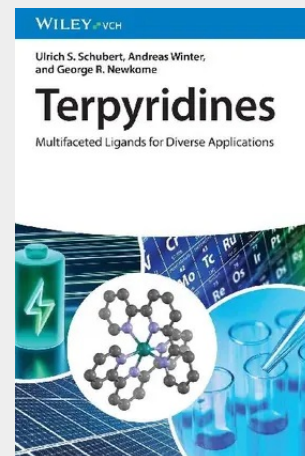


Terpyridines

Multifaceted Ligands for Diverse Applications

A thorough overview of terpyridine applications In *Terpyridines: Multifaceted Ligands for Diverse Applications*, a team of distinguished researchers delivers an up-to-date summary of the most recent developments in the synthesis and application of terpyridine compounds. The authors introduce the history and fundamentals of terpyridine ligands before moving on to discuss their complexes and main-group elements. In addition, self-healing and shape-memory materials, as well as 2D and 3D supramolecular networks based on terpyridine are described. Readers will also find: - A thorough introduction to terpyridine complexes for biomedical applications - Comprehensive explorations of energy-storage applications, photovoltaic applications, and the application of terpyridine complexes to light-emitting device technology - Practical discussions of electrocatalytic applications, including water splitting and CO₂ reduction - In-depth studies of metallo-supramolecular polymers, networks, self-assembly processes, and self-sorting mechanisms. Perfect for organic, complex, and polymer chemists, *Terpyridines: Multifaceted Ligands for Diverse Applications* will also benefit physical chemists with an interest in the synthesis and applications of prominent terpyridine complexes.

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