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Sommario/riassunto

Chiral materials have been studied in the Department of Chemistry at the University of Virginia for applications in areas like asymmetric catalysis, enantioselective fluorescent sensing, and optical/electrical materials. Optically active 1,1'-binaphthyl molecules are used to build novel chiral polymers, dendrimers, macrocycles, and acyclic molecules. 1,1'-Binaphthyl molecules are chosen because of their remarkably stable chiral configuration as well as their high asymmetric inductions in many processes. In this book, both the fundamental knowledge about the 1,1'-binaphthyl molecules and the sy
