

Piperidino Substituted [1]Borametallocenophanes. Synthesis, Reactivity, and Structure

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ansa-Metallocenes and related complexes have considerable potential as catalyst precursors in the Ziegler-Natta type olefin polymerization. In the present paper we report about the synthesis of piperidiny-substituted [1]borametallocenophanes of titanium and zirconium. Furthermore, the first example of a base stabilized alkyl-substituted [1]borazirconocenophane was fully characterized and tested for its properties in the polymerization of ethene.

Key words: *ansa*-Metallocene, Boron, Olefin Polymerization, Zirconium