SYNTHESIS OF A NEW METAL BORON ACTIVATOR FOR ZIEGLAR NATTA TYPE CATALYSIS OF POLYMER

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ABSTRACT

The effort taken to model and synthesise an effective activator in polymer catalysis is reported here. Idea was to synthesise a chealated compound which could abstract a methyl group in the activating process.

Metal cyclopenta diene was attempted as the back bone and boron centre was used as the Lewis acid. Attempts to synthesise an osmocene analogue failed. Yet synthesising a ruthenocene activator was successfully continued during the project duration.

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