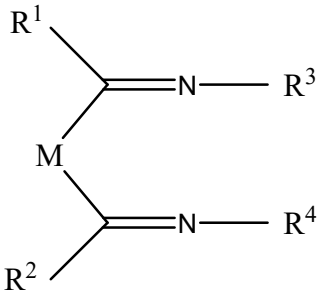
Abstract

The present invention provides a catalyst component for olefin polymerization, obtained by a reaction of magnesium, titanium, halogen and an internal electron donor, the internal electron donor comprising an imine compound as shown in Formula Z. The present invention also provides a preparation method of the catalyst component, and a catalyst for olefin polymerization containing the same. When the catalyst of the present invention is used for olefin polymerization reaction, the catalyst has a high activity, and a slow rate of activity decay, and the obtained polymer has a high isotacticity index, and a wide molecular weight distribution.



Formula Z