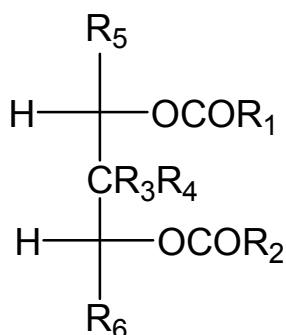


Abstract:

A catalyst component for olefin polymerization comprising magnesium, titanium, halogen and electron donor, wherein the electron donor is selected from at least one of the diol diester compounds, when the diol diester comprised contains a certain amount of isomer with Fischer projection formula as shown in Formula (II), the activity and stereospecificity of the catalyst are greatly improved, especially in the production of polymers with high melt index, the isotactic index of the obtained polymers is improved substantially.



(II)