



Titanium and zirconium benzofuranoxides : crystal structures and catalytic properties.

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Reactions of $\text{Ti}(\text{OiPr})_4$ or $\text{Zr}(\text{OEt})_4$ with 4 equivalents of 2,3-dihydro-2,2-dimethyl-7-benzofuranol (ddbfoH) in toluene gave neutral complexes that in the solid state are dimers of $[\text{Ti}(\text{micro-ddbfo})_2(\text{ddbfo})_6]$ and $[\text{Zr}(\text{ddbfo})_3(\text{EtOH})(\text{micro-EtO})]_2$ composition. The former could also be conveniently synthesized in a direct reaction of TiCl_4 with ddbfoH. This air-stable aryloxo compound was found to initiate living ring-opening polymerization of lactides affording polyesters with narrow molecular weight distribution. It also catalyzed addition of terminal acetylenes to aryl aldehydes.

Adres publiczny

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