

Supporting Information

Trinuclear and Tetranuclear Magnesium Alkoxide Clusters as Highly Active Initiators for Ring- Opening Polymerization of *L*-Lactide

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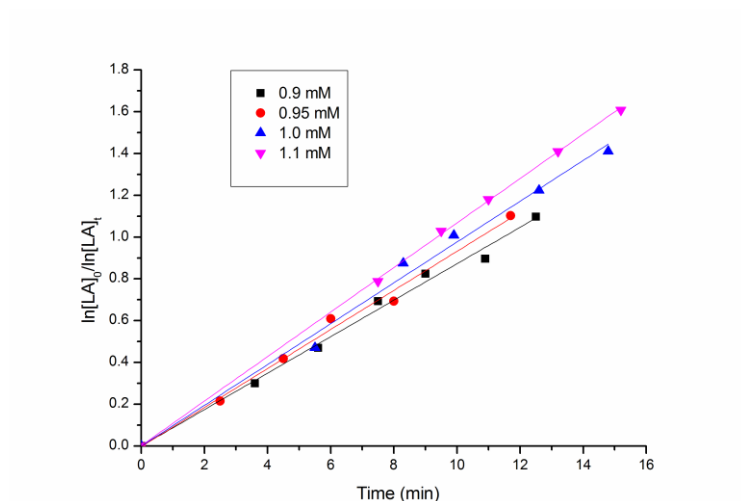


Figure S1 Plots of $\ln([LA]_0/[LA]_t)$ versus time using complex 3 as the initiator, $[LA]_0 = 0.2$ M, $T = 30$ °C, CH_2Cl_2 (10 mL), $[3]_0 = 0.9, 0.95, 1.0, 1.1$ mM.

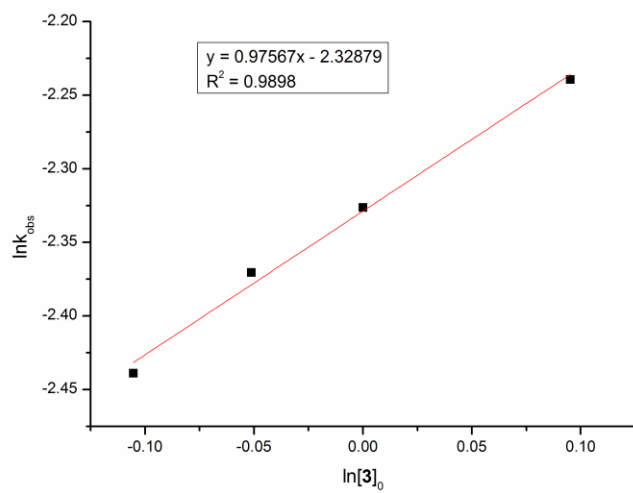


Figure S2 Plot of $\ln k_{\text{obs}}$ versus $\ln[3]_0$ for the polymerization of L-lactide with complex **3** as initiator (CH_2Cl_2 , 30 °C, $[\text{LA}]_0 = 0.2 \text{ M}$).

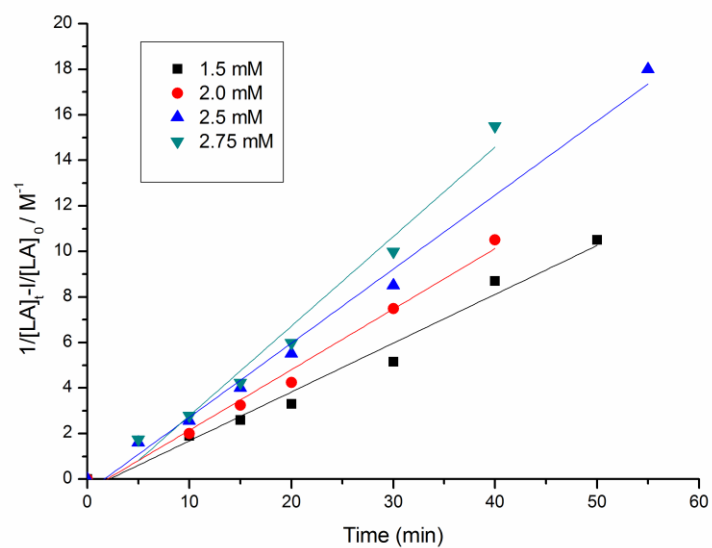


Figure S3 Plots of $1/[LA]_t - 1/[LA]_0$ versus time using complex **5** as initiator, $[LA]_0 = 0.2$ M, $T = 30$ °C, CH_2Cl_2 (10 mL), $[5]_0 = 1.5, 2.0, 2.5, 2.75$ mM.

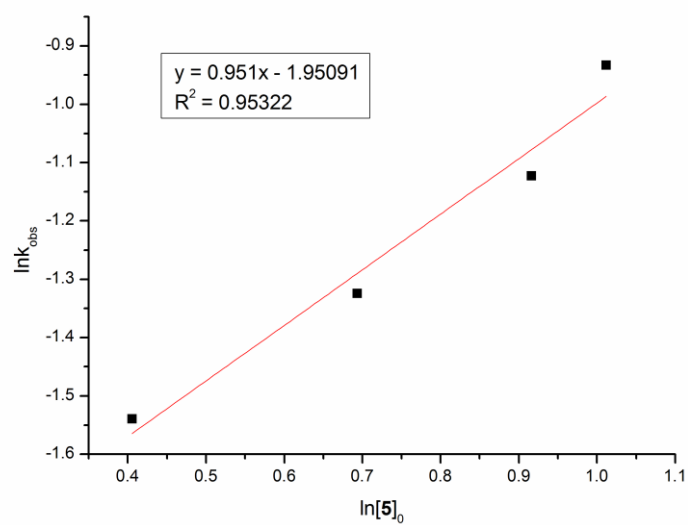


Figure S4 Plot of $\ln k_{\text{obs}}$ versus $\ln[5]_0$ for the polymerization of L-lactide with complex **5** as initiator (CH_2Cl_2 , 30 °C, $[\text{LA}]_0 = 0.2 \text{ M}$).