Synthesis and structural determination of zinc complexes based on an anilido-aldimine ligand containing an O-donor pendant arm: Zinc alkoxide derivative as an efficient initiator for ring-opening polymerization of cyclic esters

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**Fig. S1** $^1$H NMR spectrum of 3 in CDCl$_3$ at 20 °C.

**Fig. S2** Polymerization of ε-CL catalyzed by 3 in toluene at 55 °C. The relationship between Mn(■)/(PDI(□) of polymer and the initial mole ratio $[^{\varepsilon-CL}]_0/[^{Zn}]_0$ is shown.

**Fig. S3** Polymerization of β-BL catalyzed by 3 in toluene at 55 °C. The relationship between Mn(■)/(PDI(□) of polymer and the initial mole ratio $[^{\beta-BL}]_0/[3]_0$ is shown.
Fig. S1 $^1$H NMR spectrum of 3 in CDCl$_3$ at 20 °C.
**Fig. S2** Polymerization of ε-CL catalyzed by 3 in toluene at 55 °C. The relationship between Mn(■)/(PDI(□)) of polymer and the initial mole ratio [ε-CL]₀/[Zn]₀ is shown.
**Fig. S3** Polymerization of β-BL catalyzed by 3 in toluene at 55 °C. The relationship between Mn(■)/(PDI(□) of polymer and the initial mole ratio [β-BL]₀/[3]₀ is shown.