

Supporting information for

Zinc Complexes of Fluorous Alkoxy-Imino Ligands: Synthesis, Structure, and Use in Ring-Opening Polymerization of Lactide and β -Butyrolactone

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Figure S1. $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum (188 MHz, benzene- d_6 , 298 K) of a 1:1 mixture of ZnEt_2 and complex **1** (■), showing the formation of complex **4** (●) (reaction time: 30 min)

Figure S2. $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum (188 MHz, benzene- d_6 , 298 K) of a 1:1 mixture of ZnEt_2 and complex **2** (■), showing the formation of complex **5** (●) (reaction time: 30 min)

Figure S3. ^1H NMR spectrum (200 MHz, CDCl_3 , 298 K) of a PLA ($M_{n,\text{NMR}} = 14200 \text{ g}\cdot\text{mol}^{-1}$, $M_{n,\text{SEC}} = 10500 \text{ g}\cdot\text{mol}^{-1}$, $M_w/M_n = 1.29$) (entry 5, Table 2).

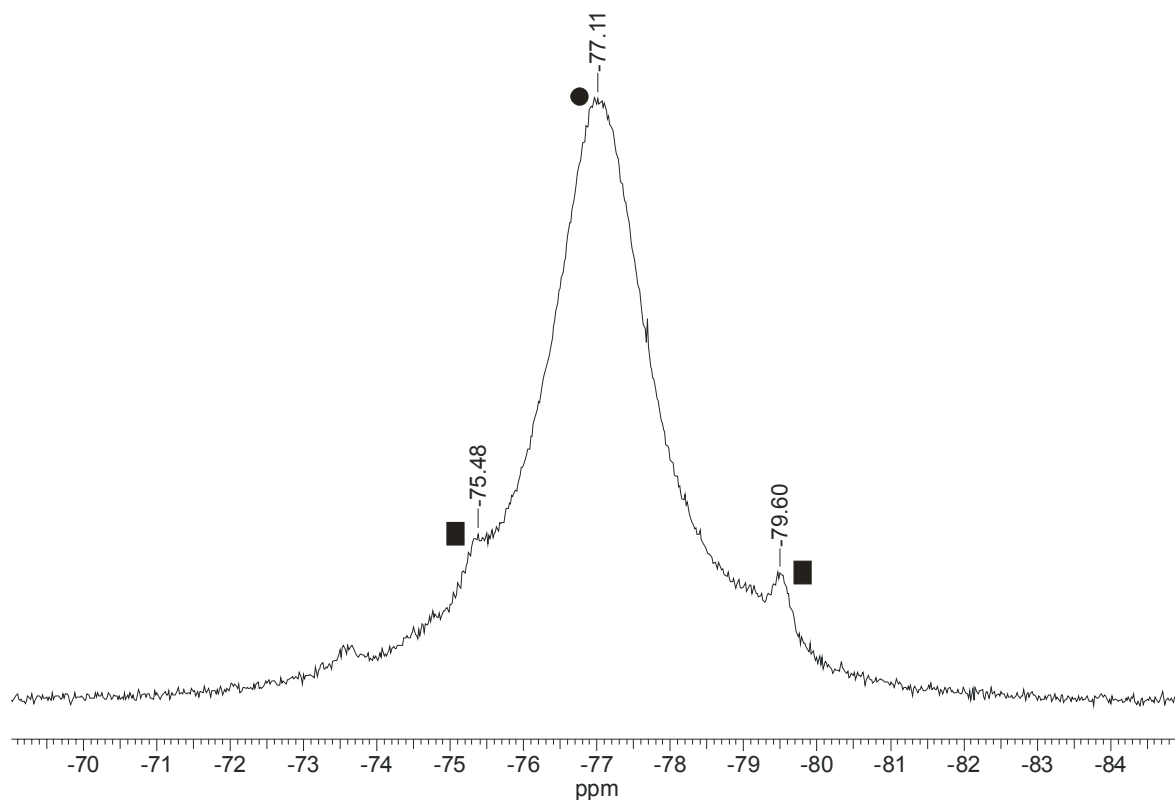


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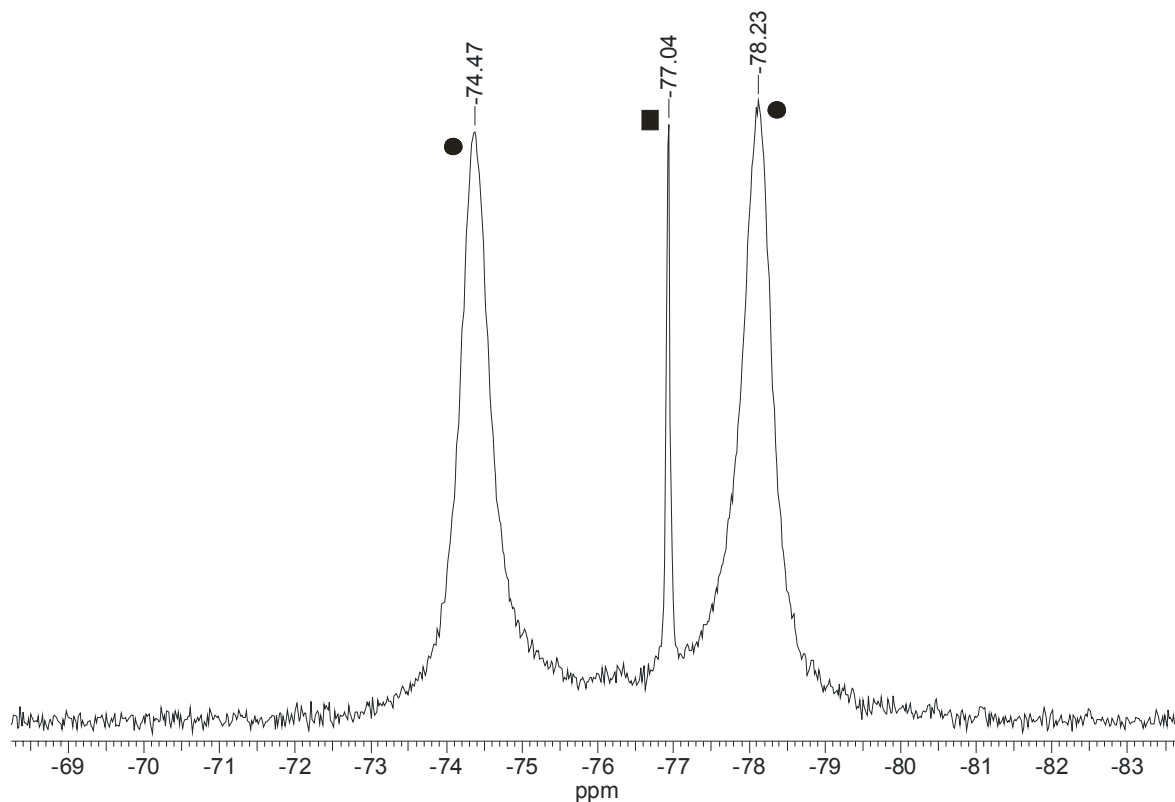


Figure S2. $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum (188 MHz, benzene- d_6 , 298 K) of a 1:1 mixture of ZnEt_2 and complex **2** (■), showing the formation of complex **5** (●) (reaction time: 30 min).

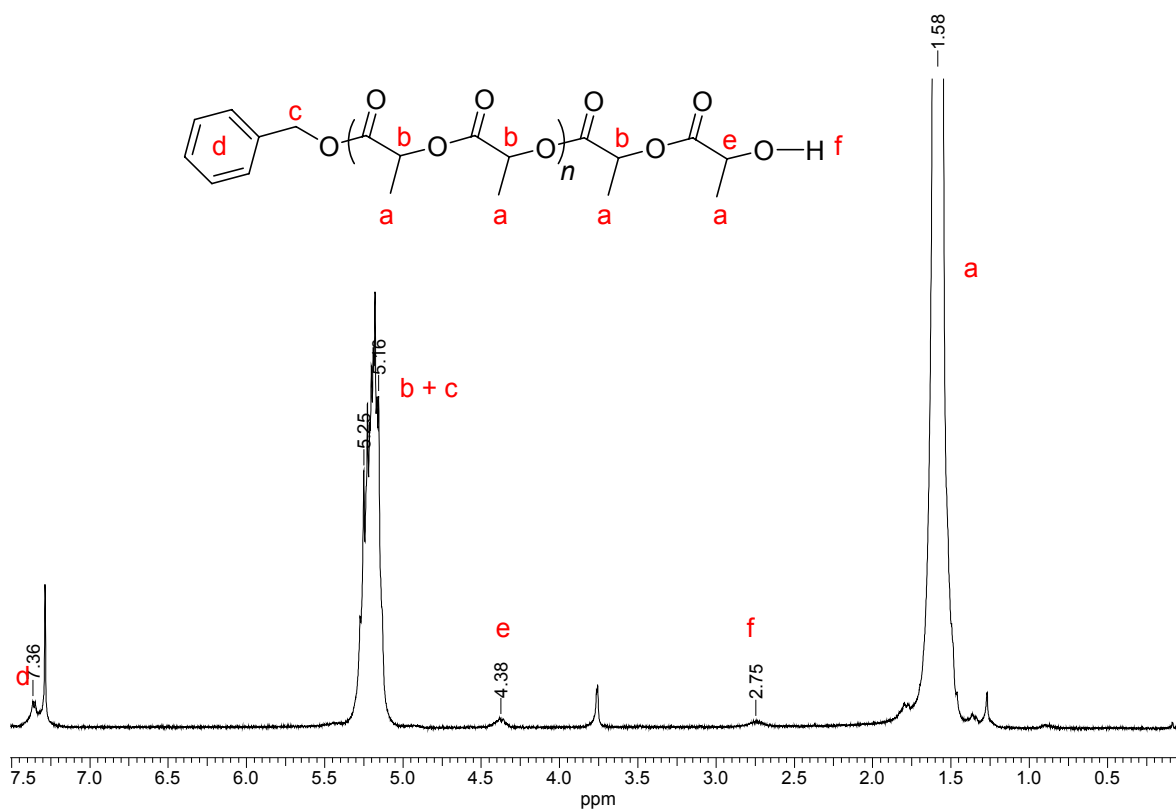


Figure S3. ¹H NMR spectrum (200 MHz, CDCl₃, 298 K) of a PLA ($M_{n,NMR} = 14200 \text{ g}\cdot\text{mol}^{-1}$, $M_{n,SEC} = 10500 \text{ g}\cdot\text{mol}^{-1}$, $M_w/M_n = 1.29$) (entry 5, Table 2).