

Electronic Supporting Information

Alkaline-earth amide complexes containing a cyclen-derived (NNNN) macrocycle ligand: synthesis, structure, and ring-opening polymerization activity towards lactide monomers

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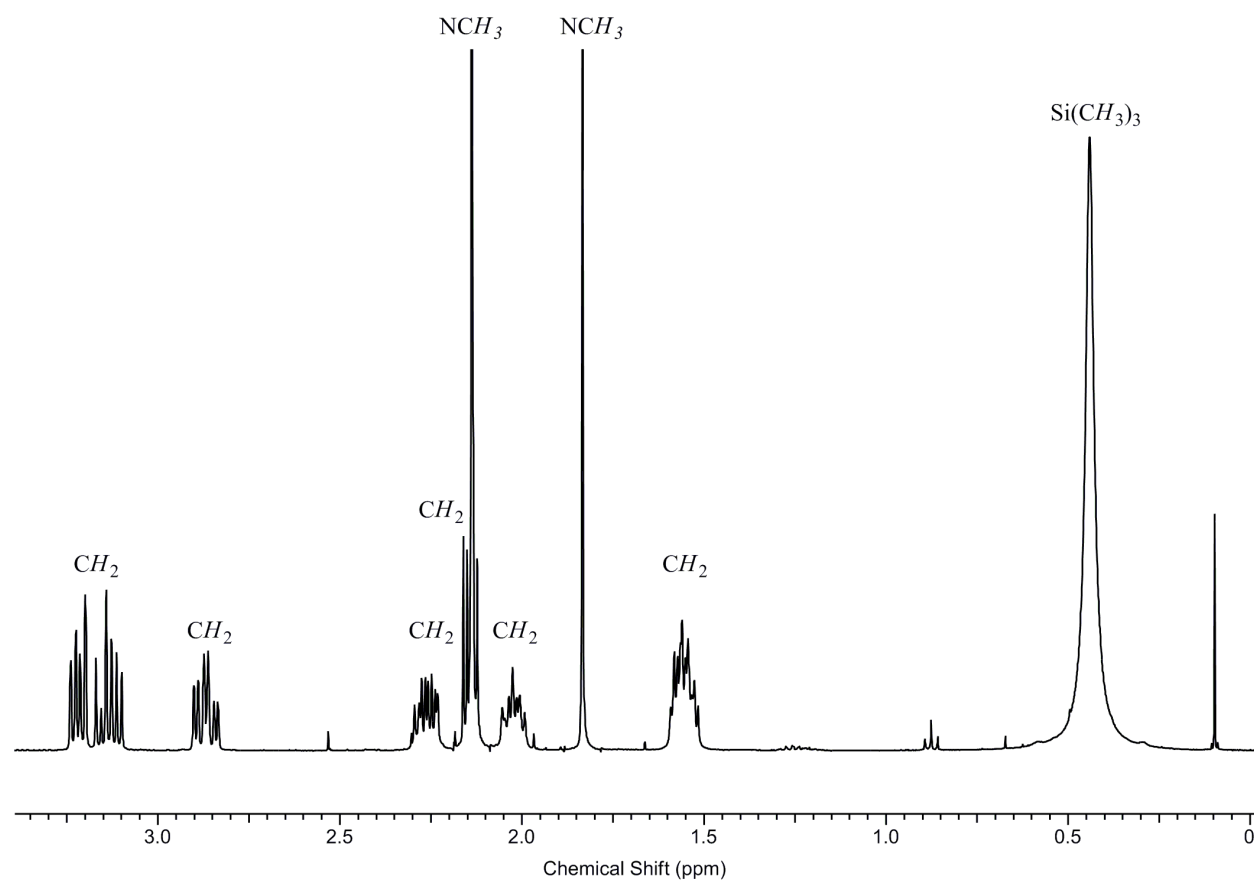


Fig. S1: ^1H NMR spectrum of compound **1** (400MHz, C_6D_6 , 25 °C)

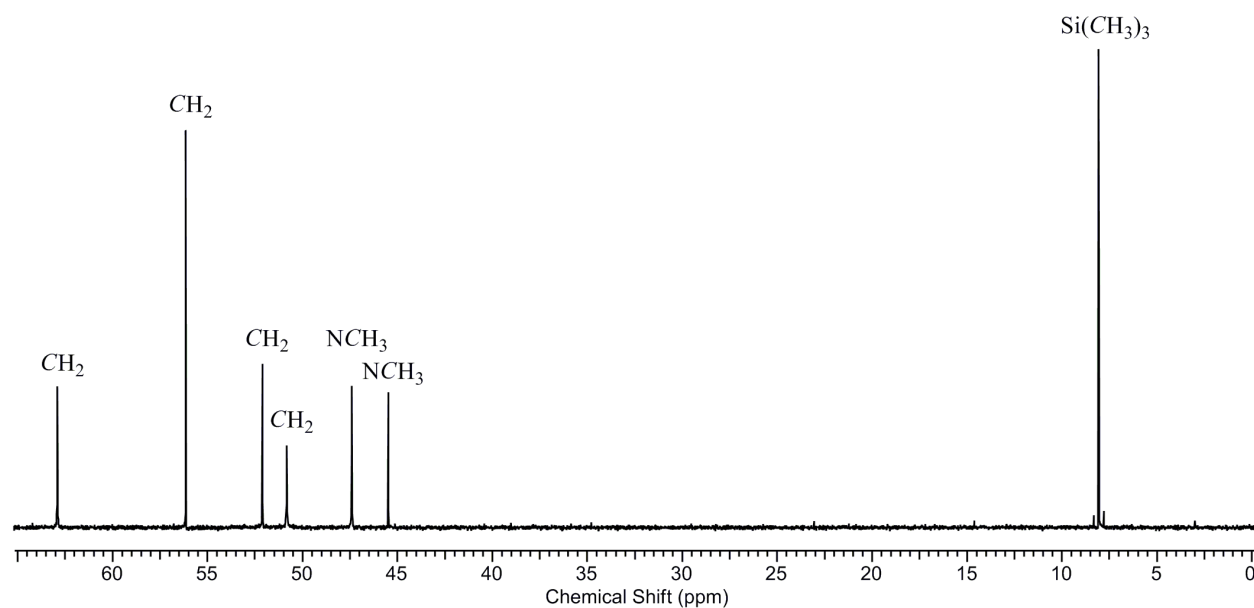


Fig. S2: $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of compound **1** (100MHz, C_6D_6 , 25 °C)

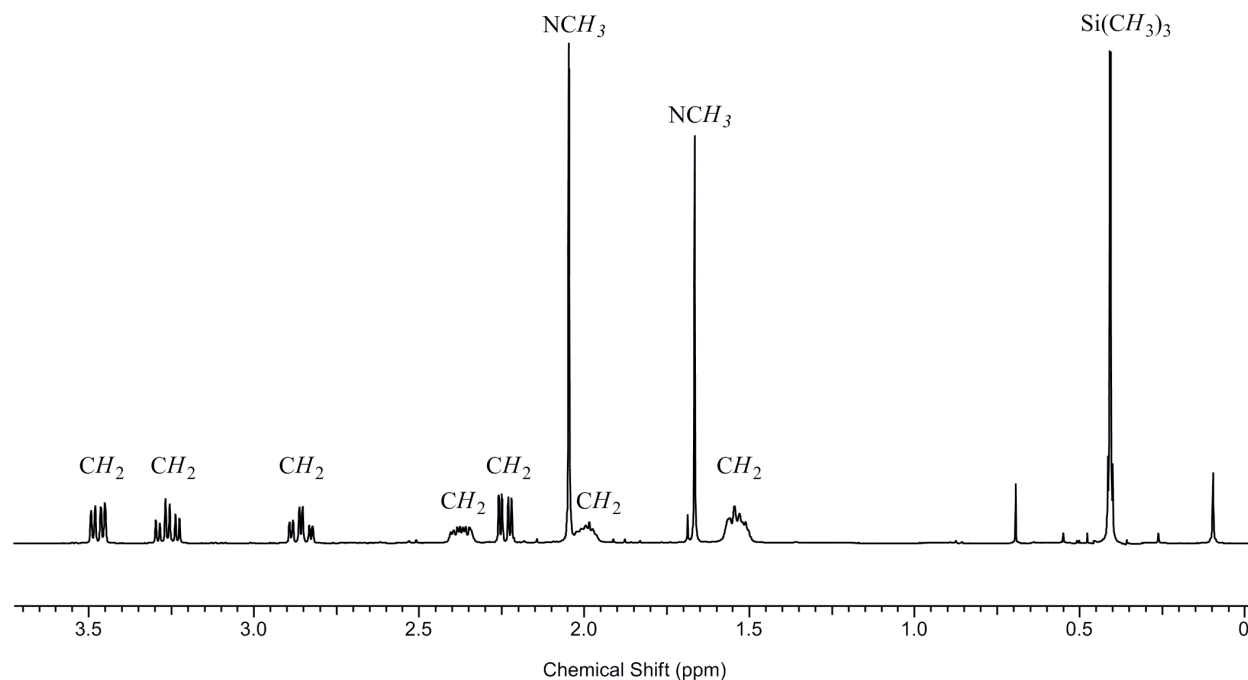


Fig. S3: ^1H NMR spectrum of compound **2** (400MHz, C_6D_6 , 25 °C)

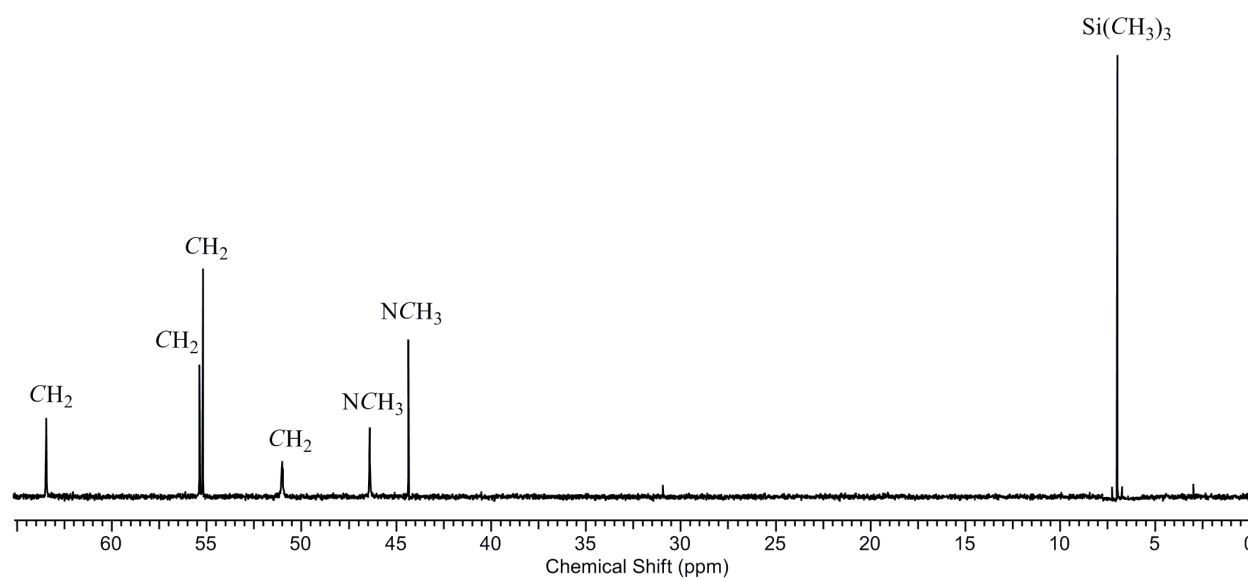


Fig. S4: $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of compound **2** (100MHz, C_6D_6 , 25 °C)

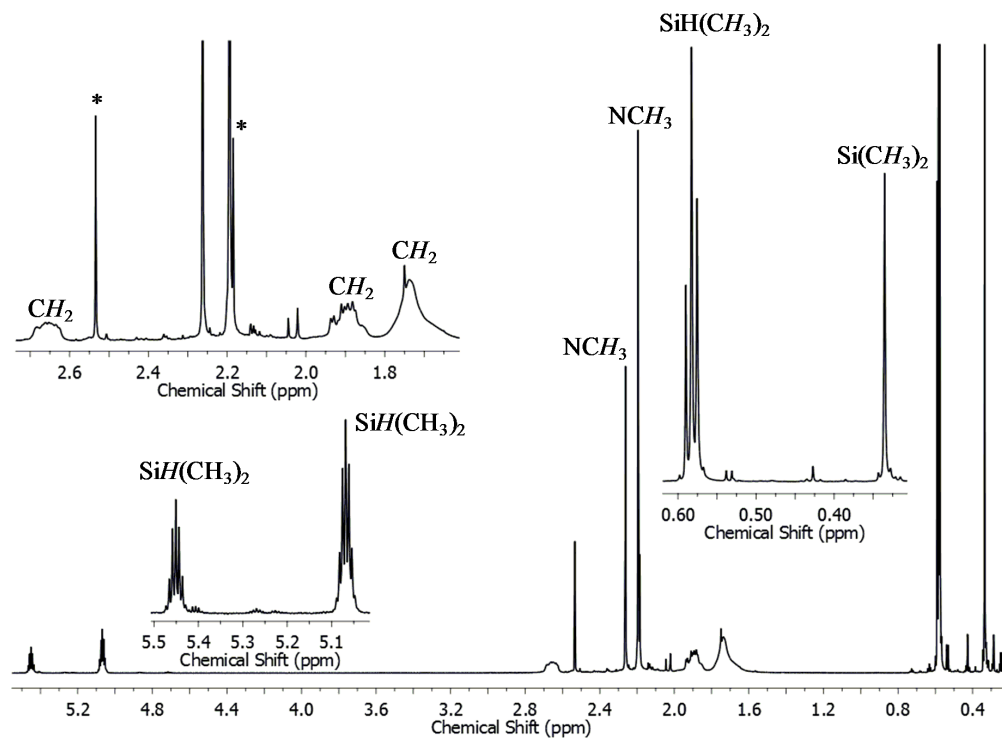


Fig. S5: ^1H NMR spectrum of compound **3** (400MHz, C_6D_6 , 25 °C). * Free (Me_3TACD)H

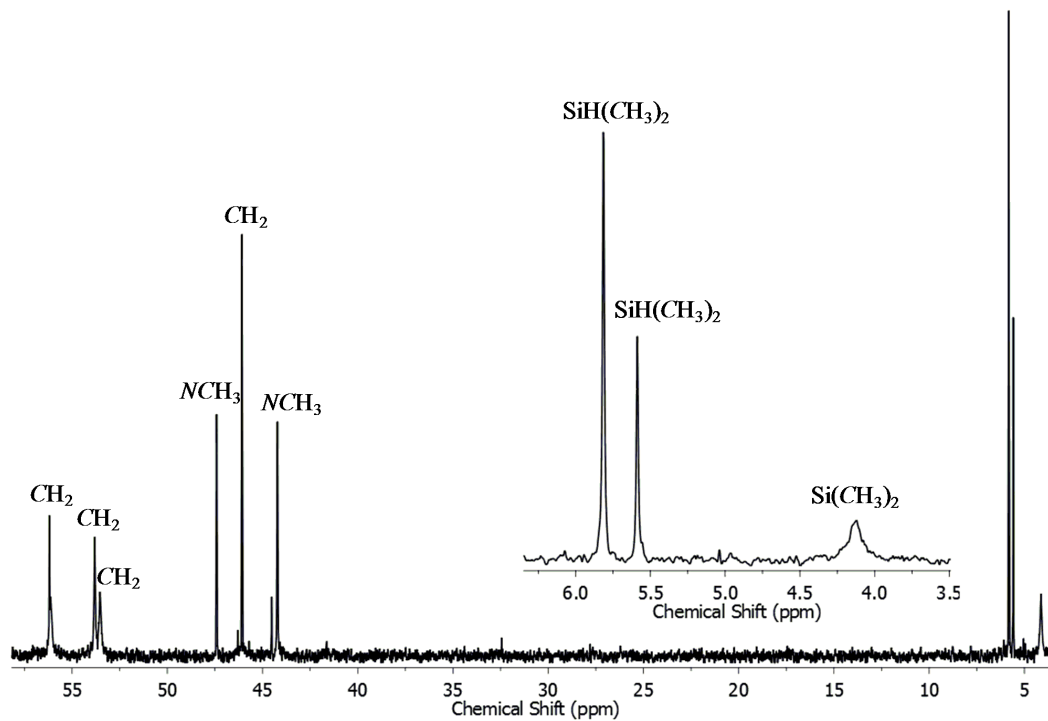


Fig. S6: $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of compound **3** (100MHz, C_6D_6 , 25 °C)

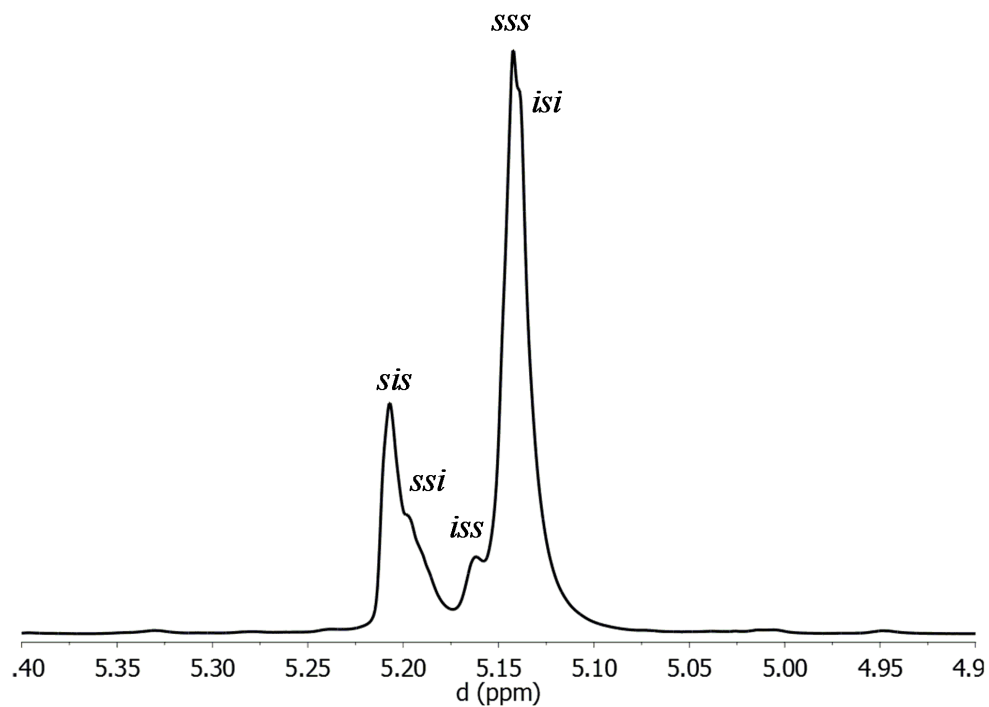


Fig. S7: $^1\text{H}\{^1\text{H}\}$ NMR spectrum of poly(*meso*-lactide) using **1** (Table 2, Entry 1).

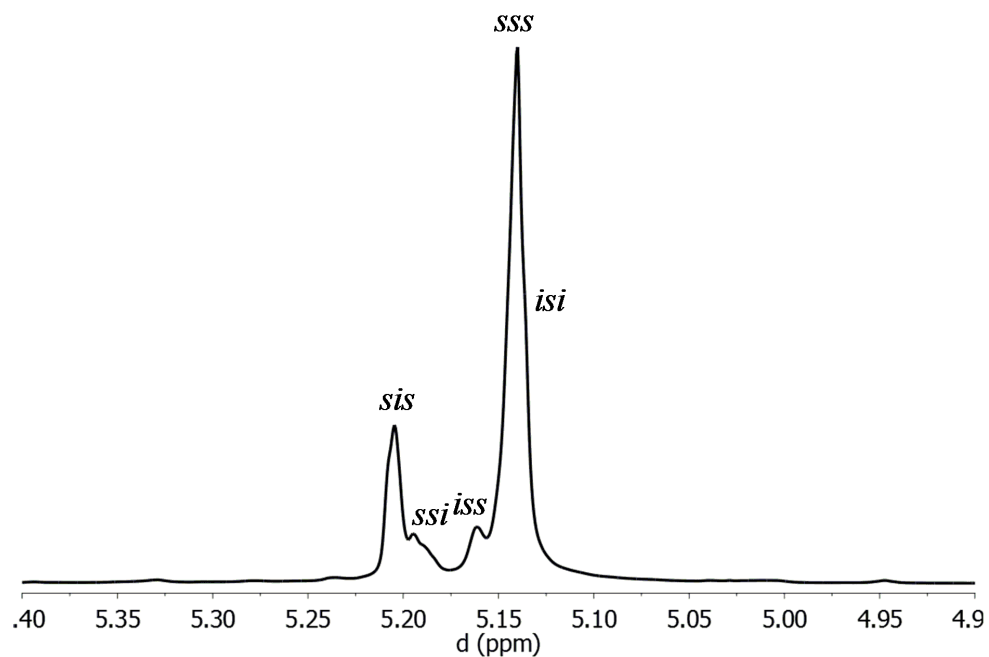


Fig. S8: $^1\text{H}\{^1\text{H}\}$ NMR spectrum of poly(*meso*-lactide) using **2** (Table 2, Entry 2).

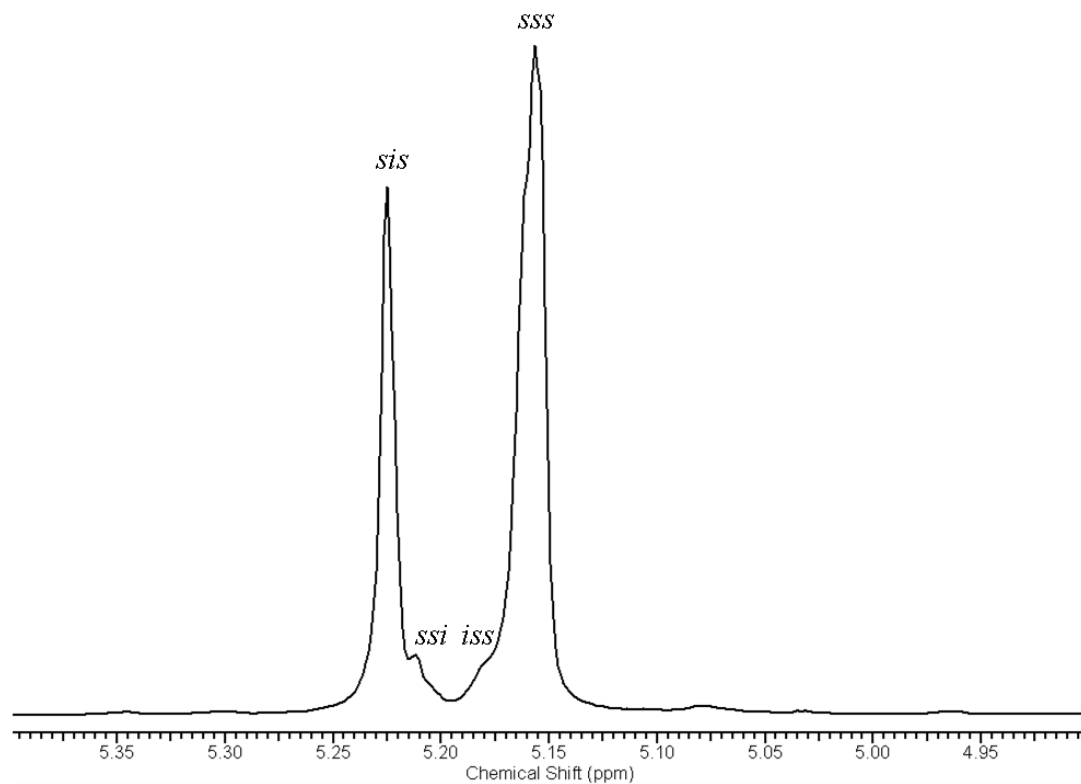


Fig. S9: $^1\text{H}\{^1\text{H}\}$ NMR spectrum of poly(*meso*-lactide) using **3** (Table 2, Entry 3).

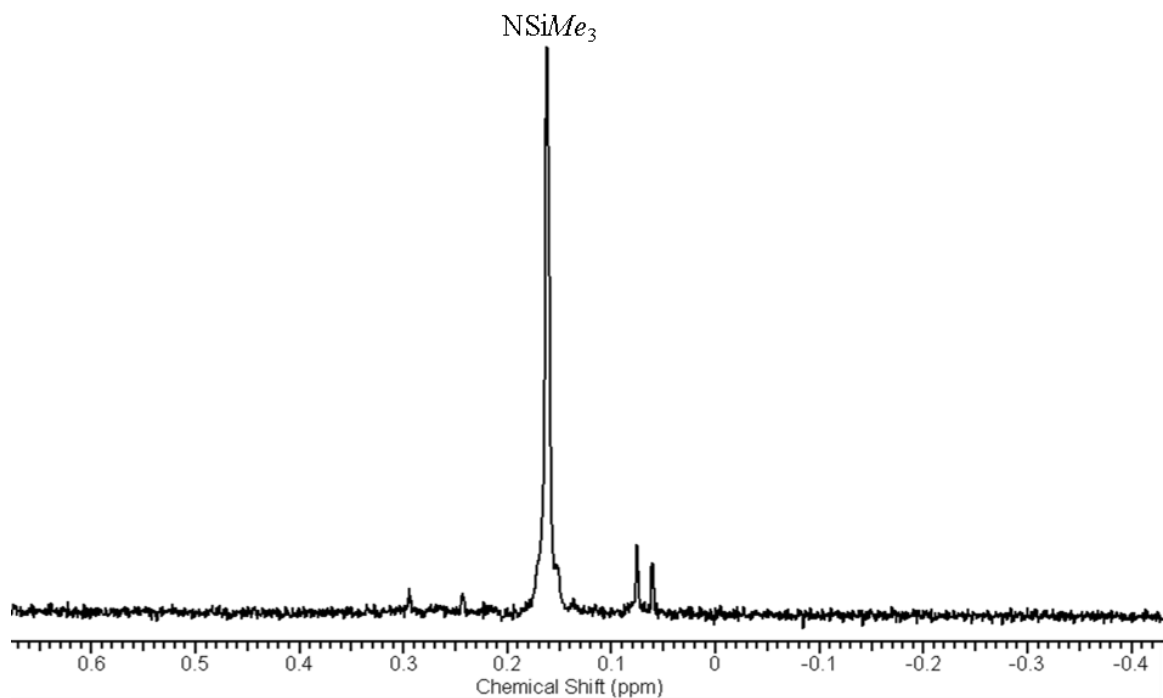


Fig. S10: ^1H NMR spectrum of poly(*meso*-lactide) using **1**, zoom on end of chain

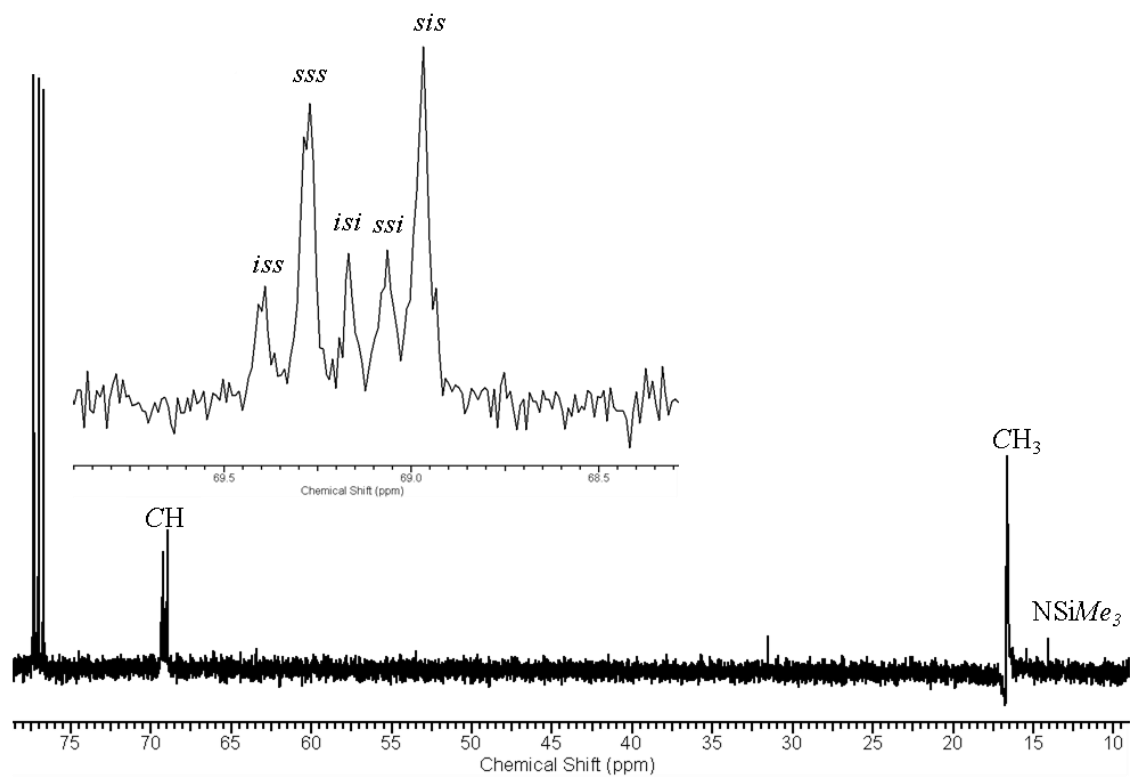


Fig. S11: $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of poly(*meso*-lactide) using **1**, zoom on end of chain