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Supporting information for article:

Phenoxide and alkoxide complexes of Mg, Al and Zn and their use for ring-opening polymerization of ∈-caprolactone with initiators of different natures

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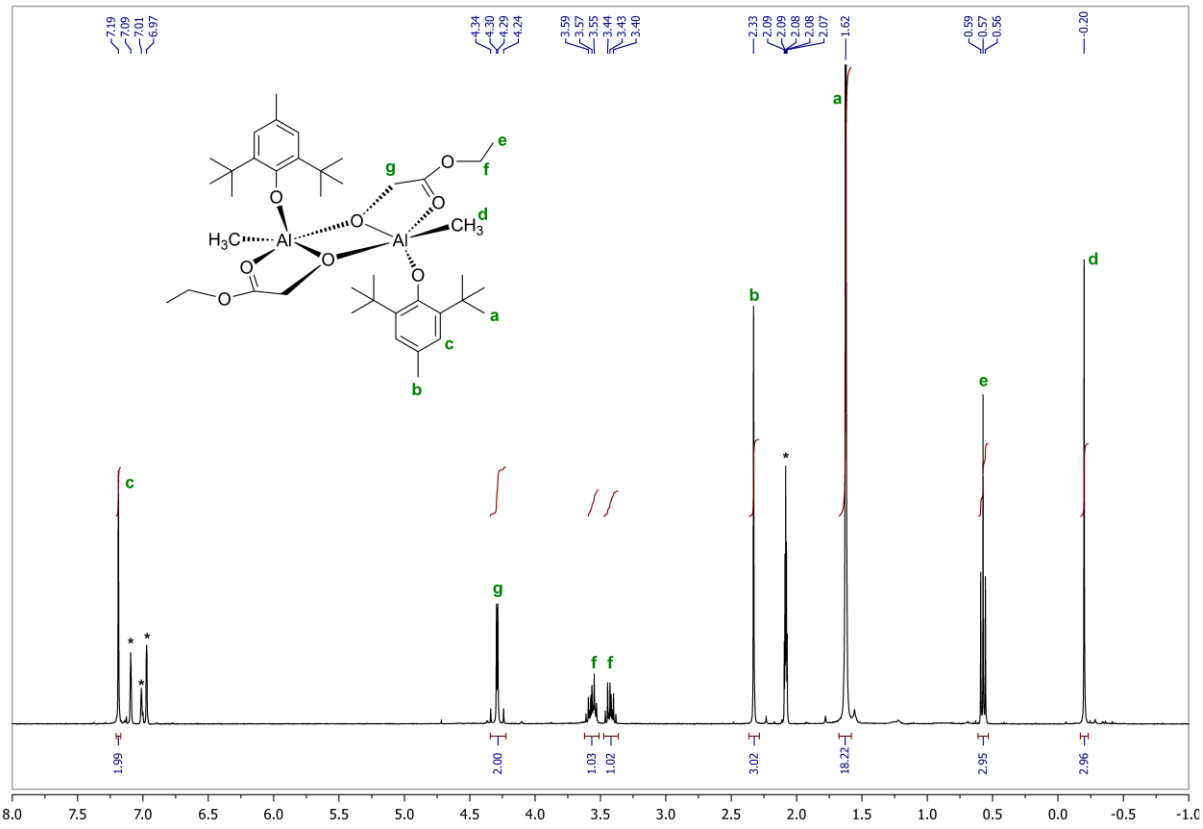

Figure S1 ^{1}H NMR spectrum of [Al(CH_3)(BHT)($OCH_2COOC_2H_5$)], (**2**), in toluene-d8 at 400 MHz. Starred peaks are residual peaks from the solvent.

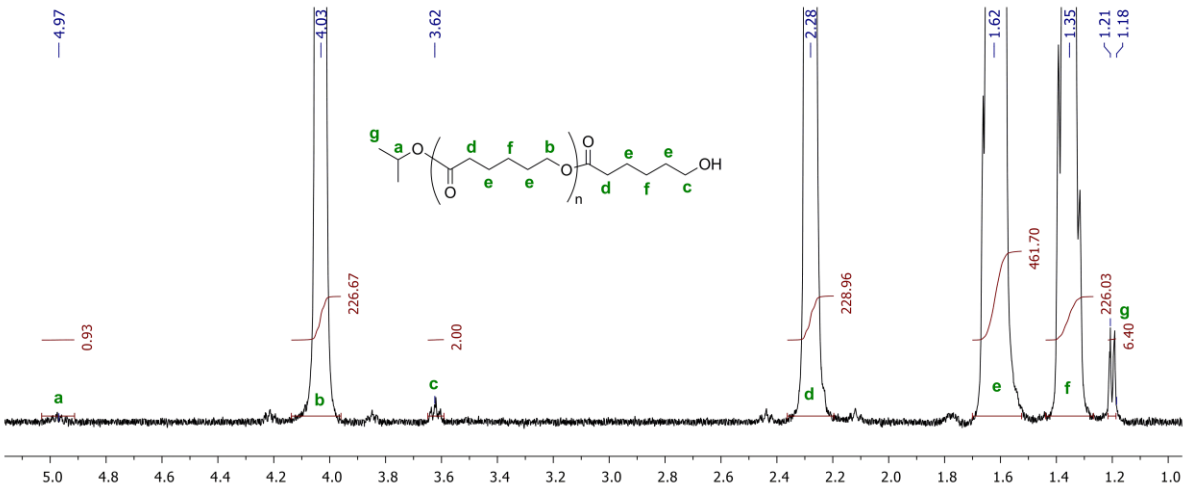

Figure S2 ^{1}H NMR spectrum of PCL with the O-^{i}Pr terminal group, $CDCl_3$, 400MHz.

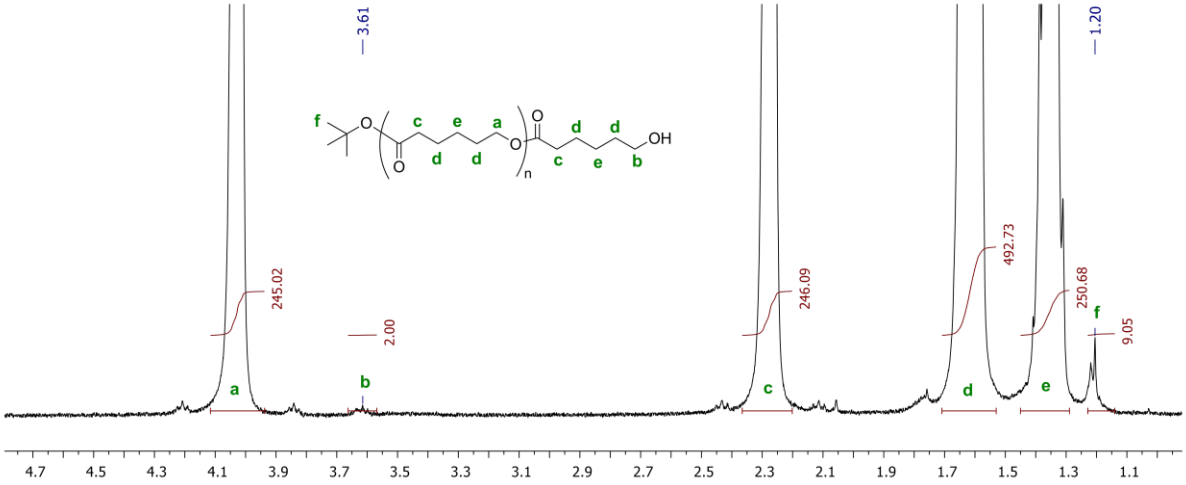

Figure S3 ^{1}H NMR spectrum of PCL with the O-^{t}Bu terminal group, $CDCl_3$, 400MHz.

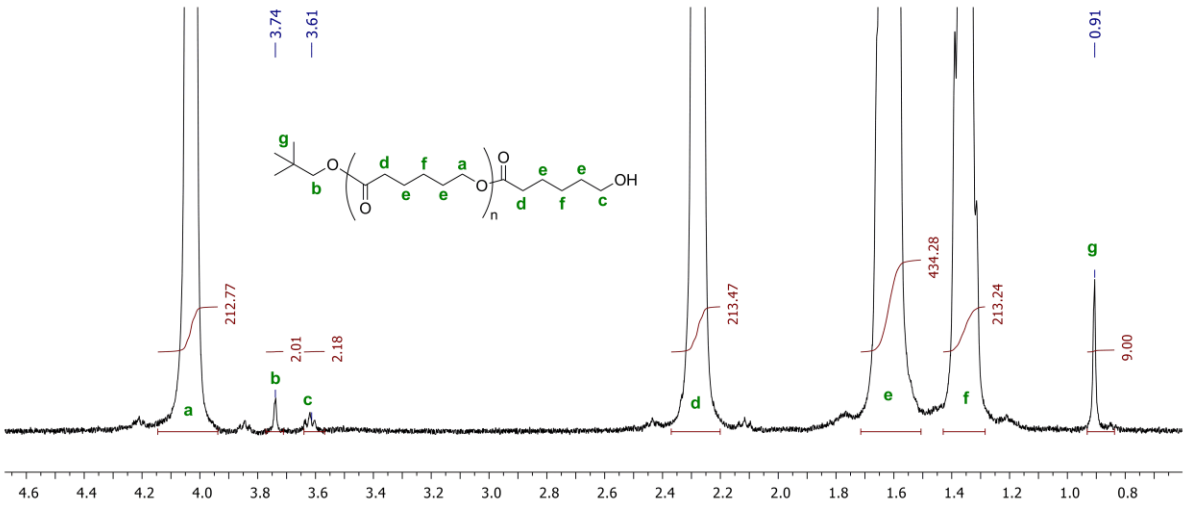

Figure S4 ^{1}H NMR spectrum of PCL with the O-$CH_2{}^{t}$Bu terminal group, $CDCl_3$, 400MHz.

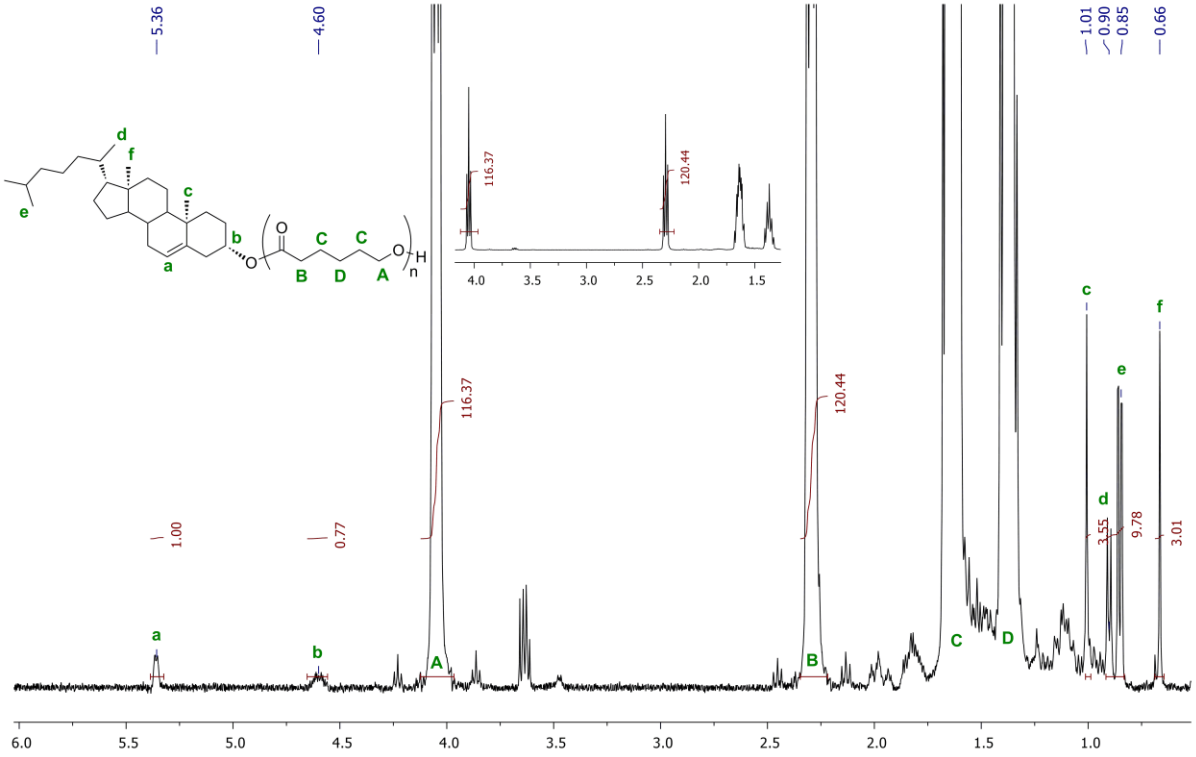

Figure S5 ^{1}H NMR spectrum of PCL containing the cholesterol terminal group, $CDCl_3$, 400MHz.

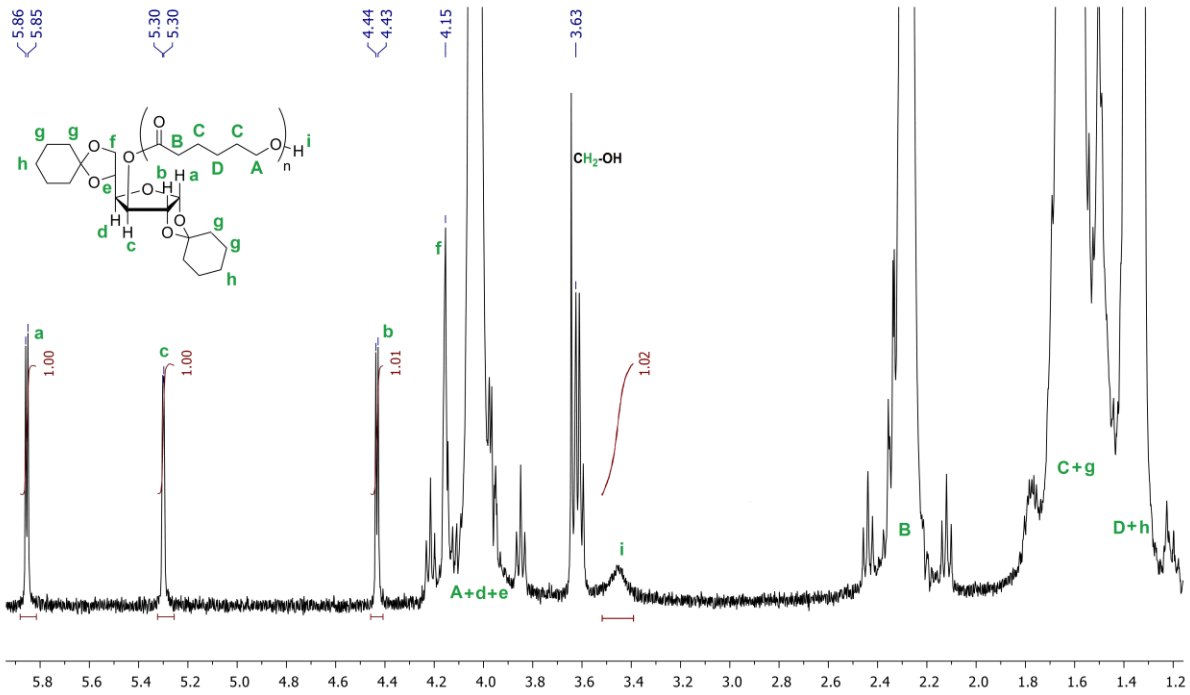

Figure S6 ^{1}H NMR spectrum of PCL containing the protected glucose terminal group, $CDCl_3$, 400MHz.

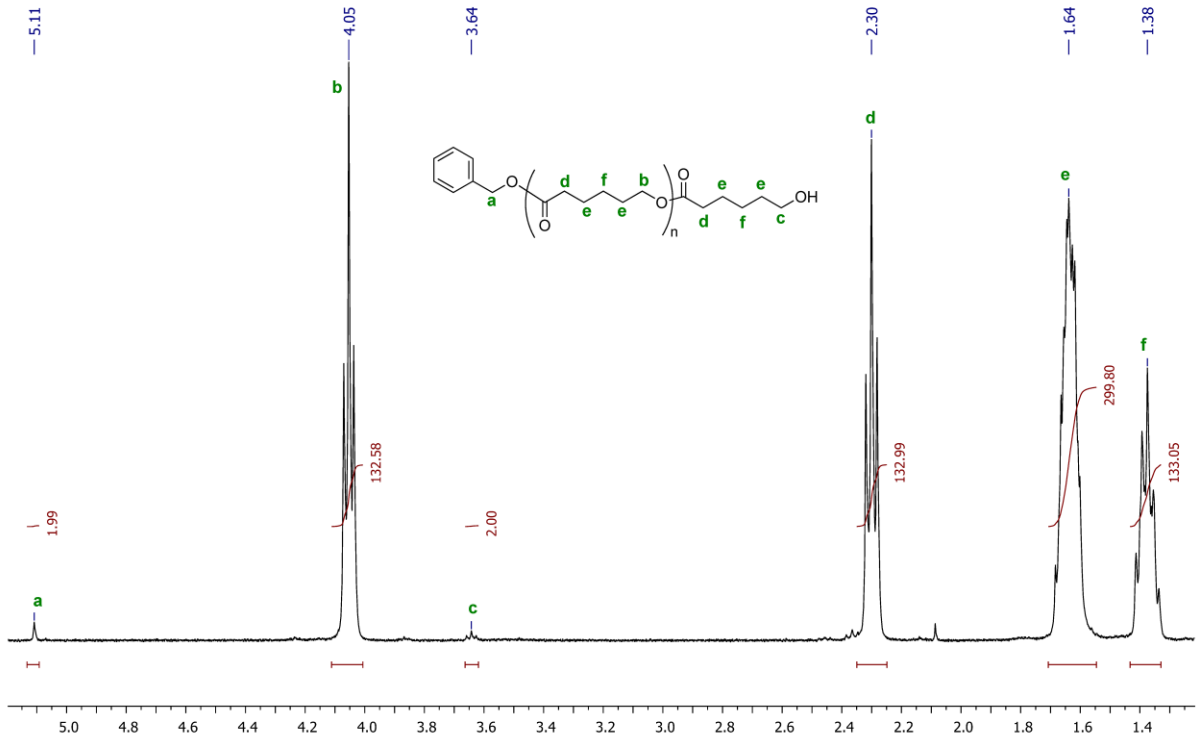

Figure S7 ^{1}H NMR spectrum of PCL obtained using catalyst (**3**), $CDCl_3$, 400MHz.