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Ethyleneglycol Tungsten Complexes of calix[6 and 8]arenes: Synthesis, Characterization and ROP of ε-caprolactone

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Figure S1. Crystals of sample **3**

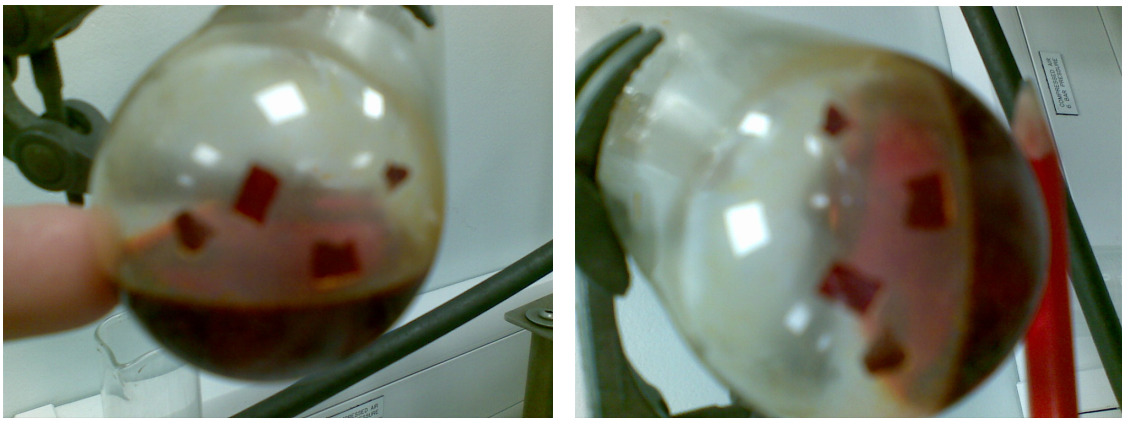
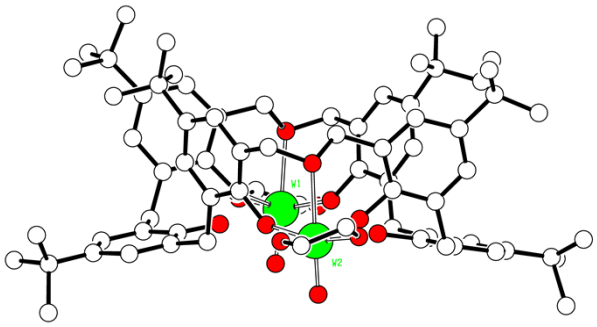


Figure S2. Side view of **5**



PCL data:

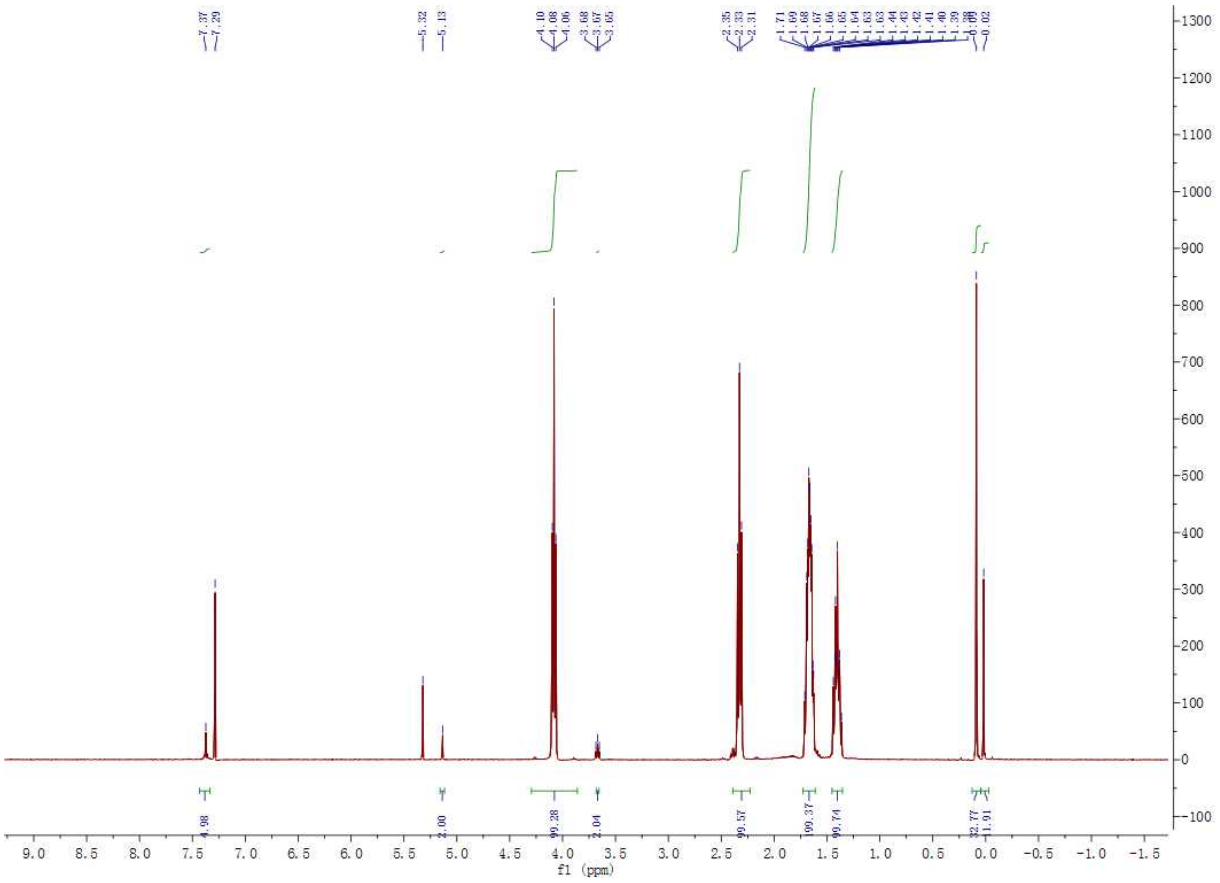


Figure S3. ^{1}H NMR spectrum of PCL in $CDCl_3$ catalyzed by tungsten pre- catalyst **1** with BnOH.

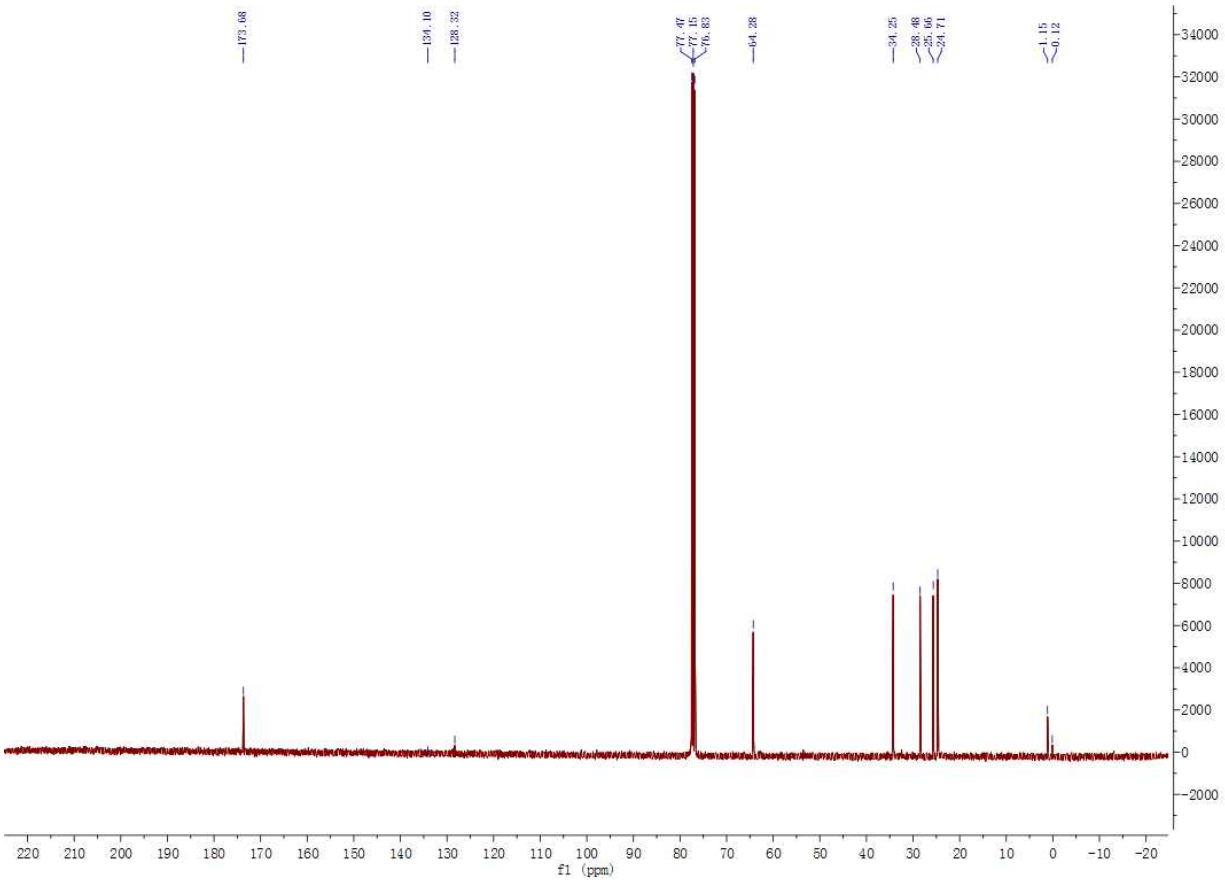


Figure S4. ^{13}C NMR spectrum of PCL in $CDCl_3$ catalyzed by tungsten pre- catalyst **1** with BnOH.

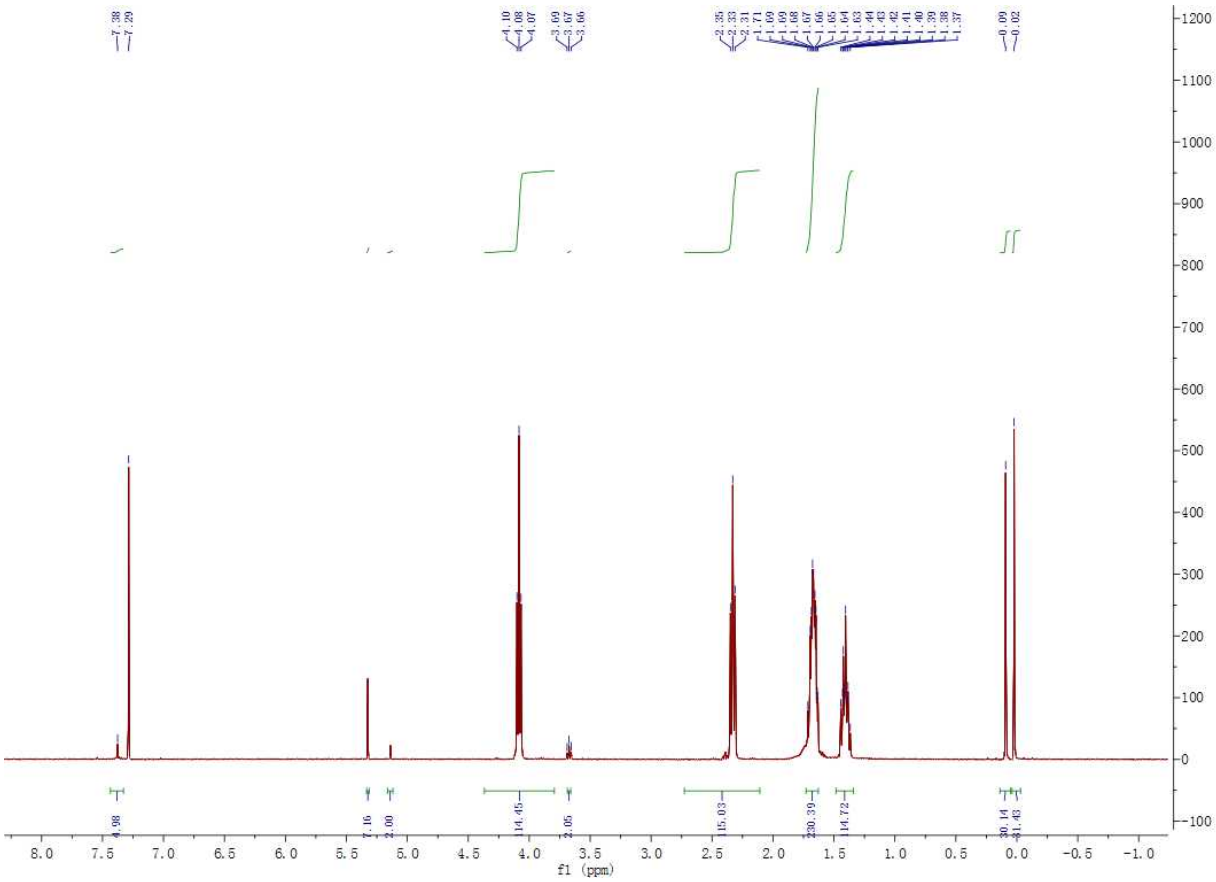


Figure S5. ^{1}H NMR spectrum of PCL in $CDCl_3$ catalyzed by tungsten pre-catalyst **2** with BnOH.

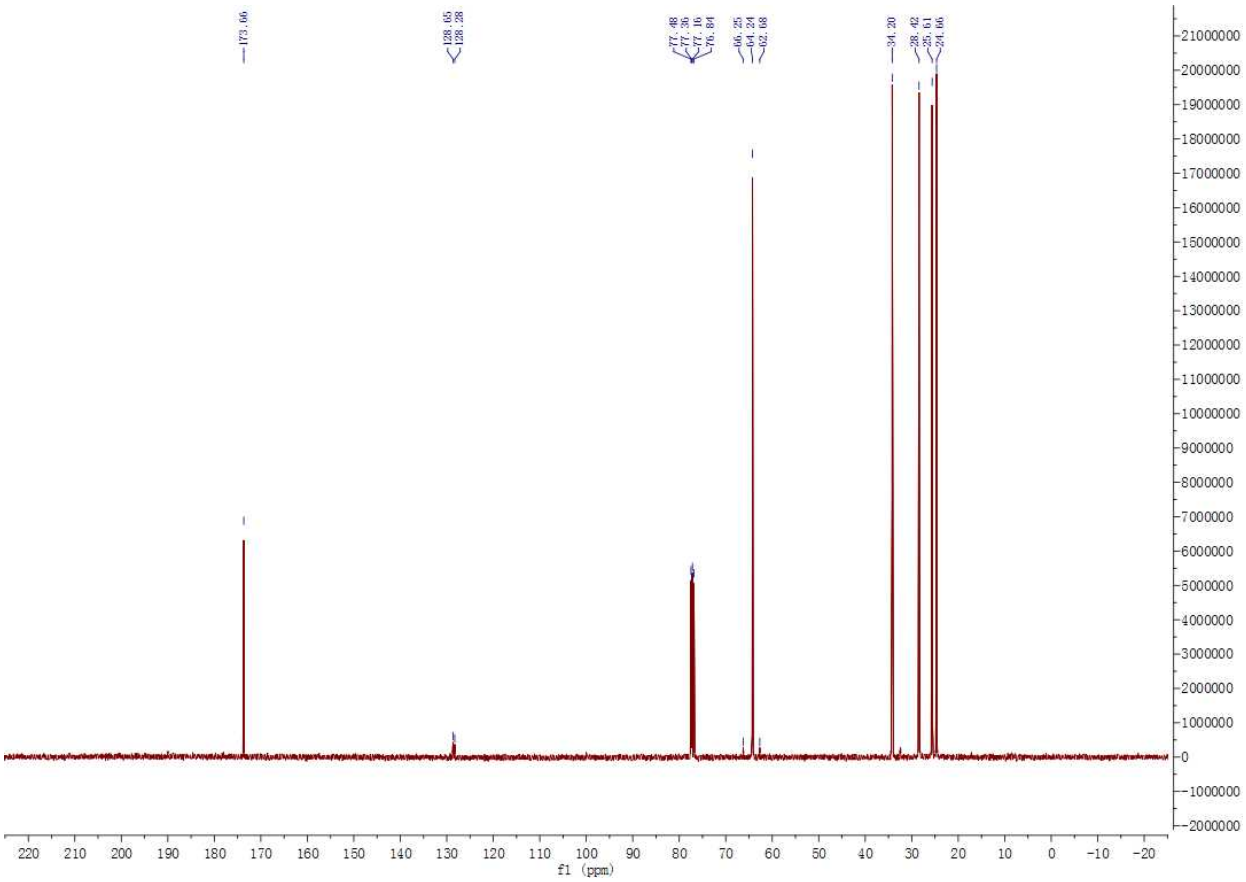


Figure S6. ^{13}C NMR spectrum of PCL in $CDCl_3$ catalyzed by tungsten pre-catalyst **2** with BnOH.

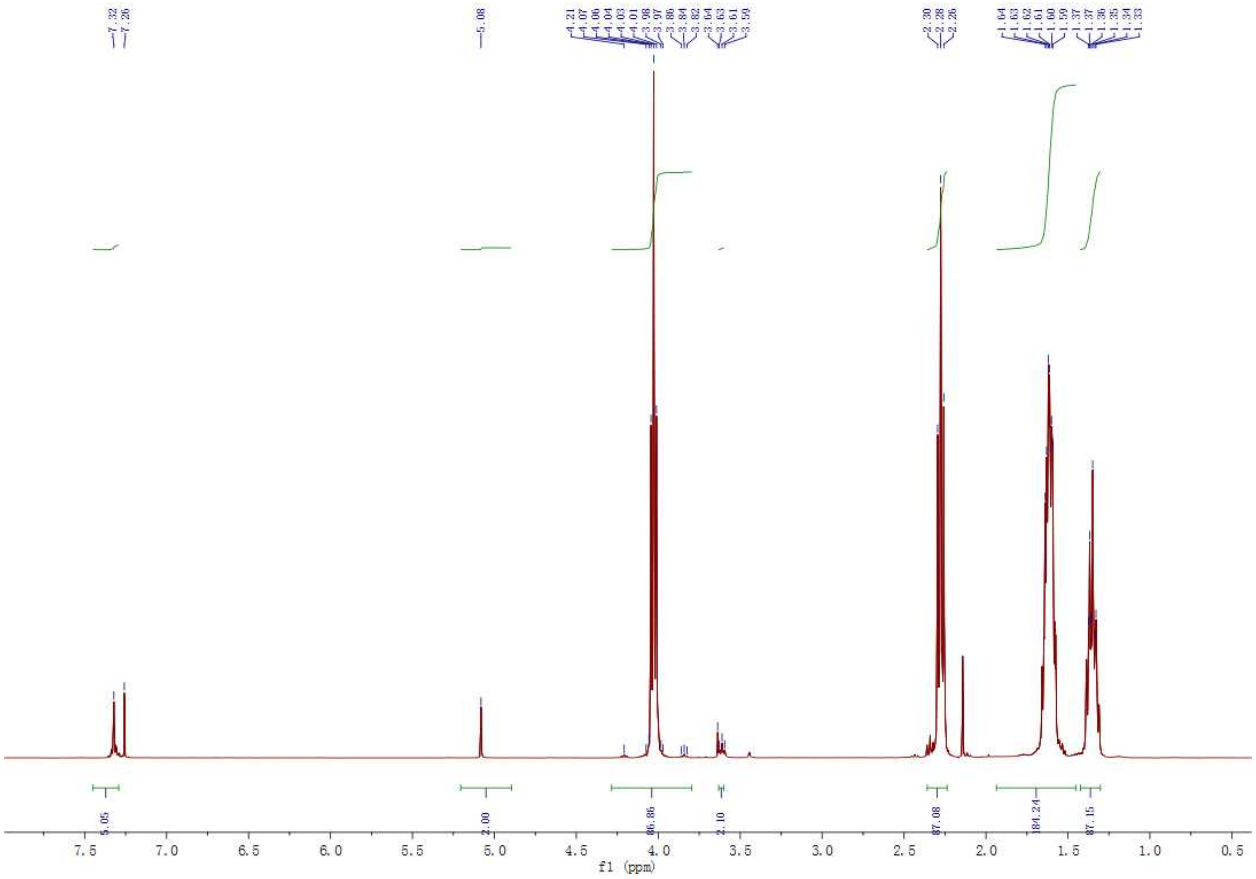


Figure S7. ^{1}H NMR spectrum of PCL in $CDCl_3$ catalyzed by tungsten pre-catalyst **5** with BnOH.

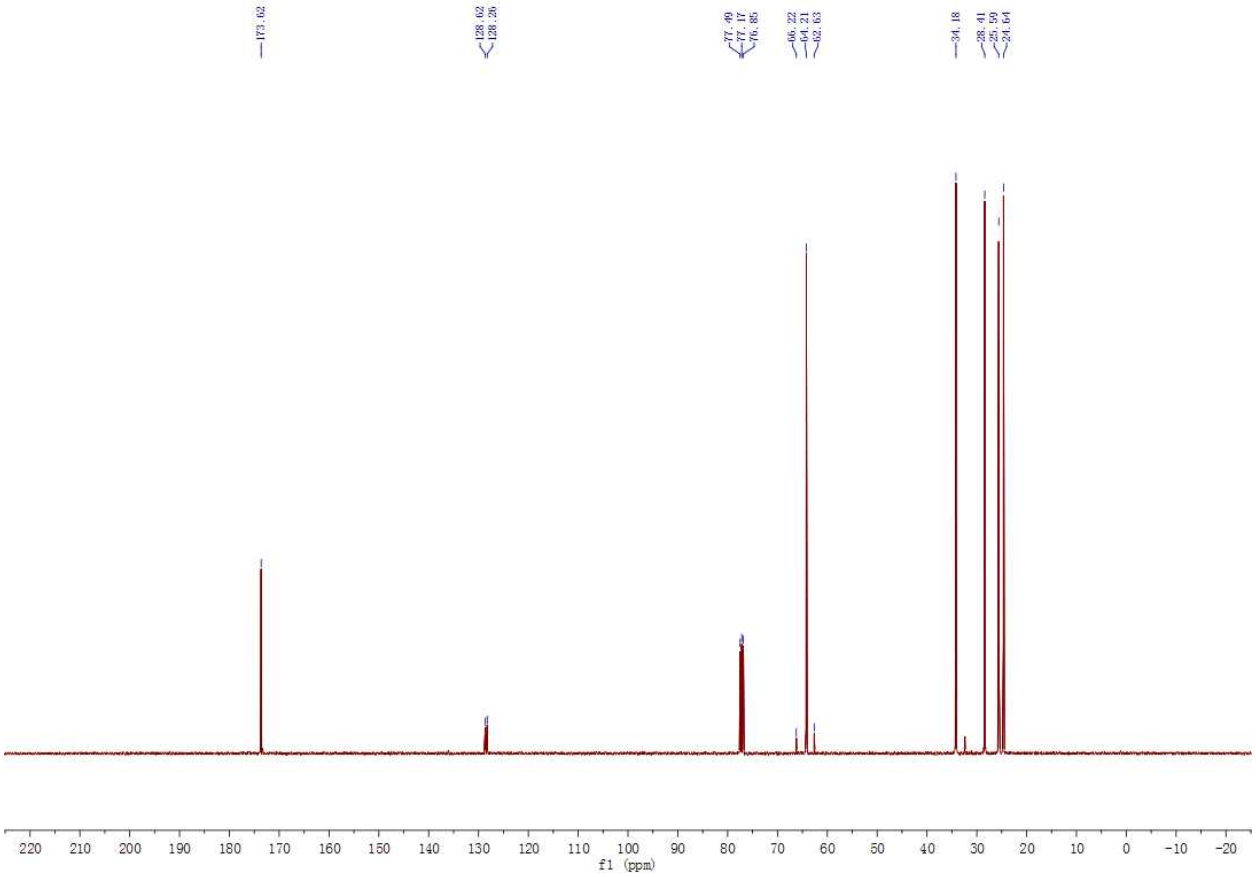


Figure S8. ^{13}C NMR spectrum of PCL in $CDCl_3$ catalyzed by tungsten pre-catalyst **5** with BnOH.

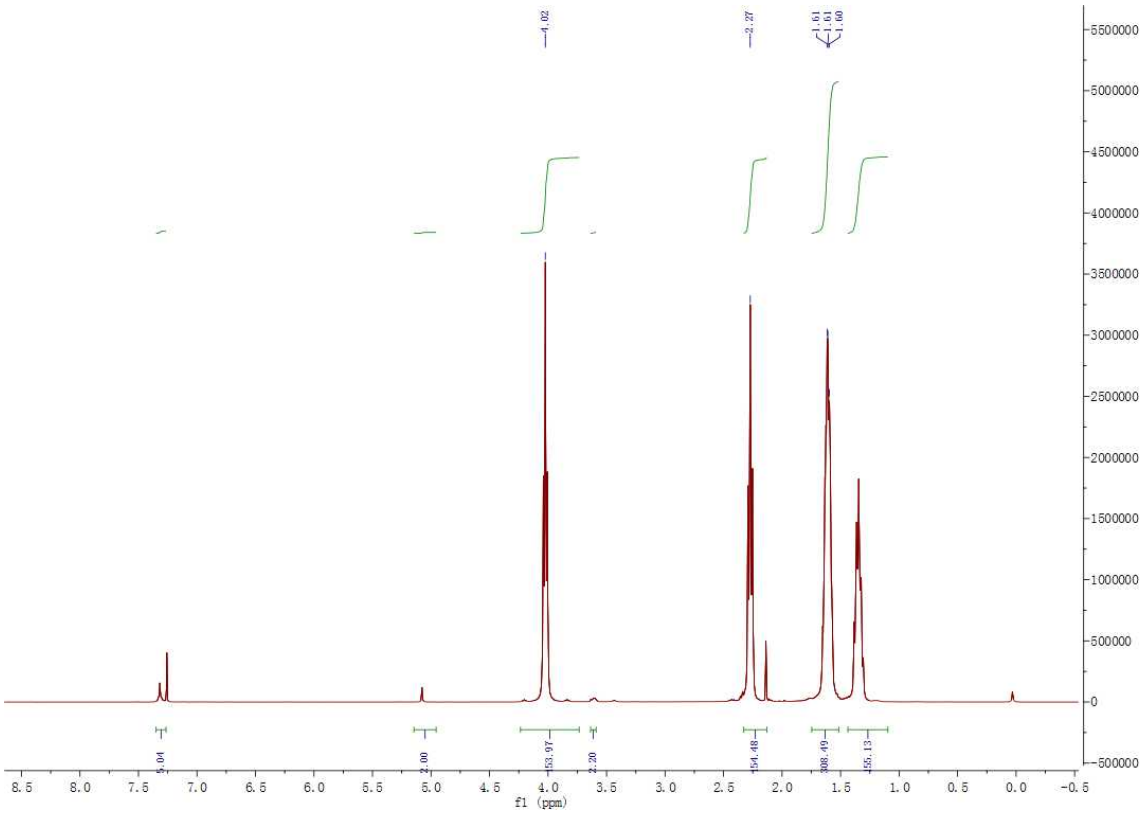


Figure S9. ^{1}H NMR spectrum of PCL in $CDCl_3$ catalyzed by tungsten pre-catalyst **6** with BnOH.

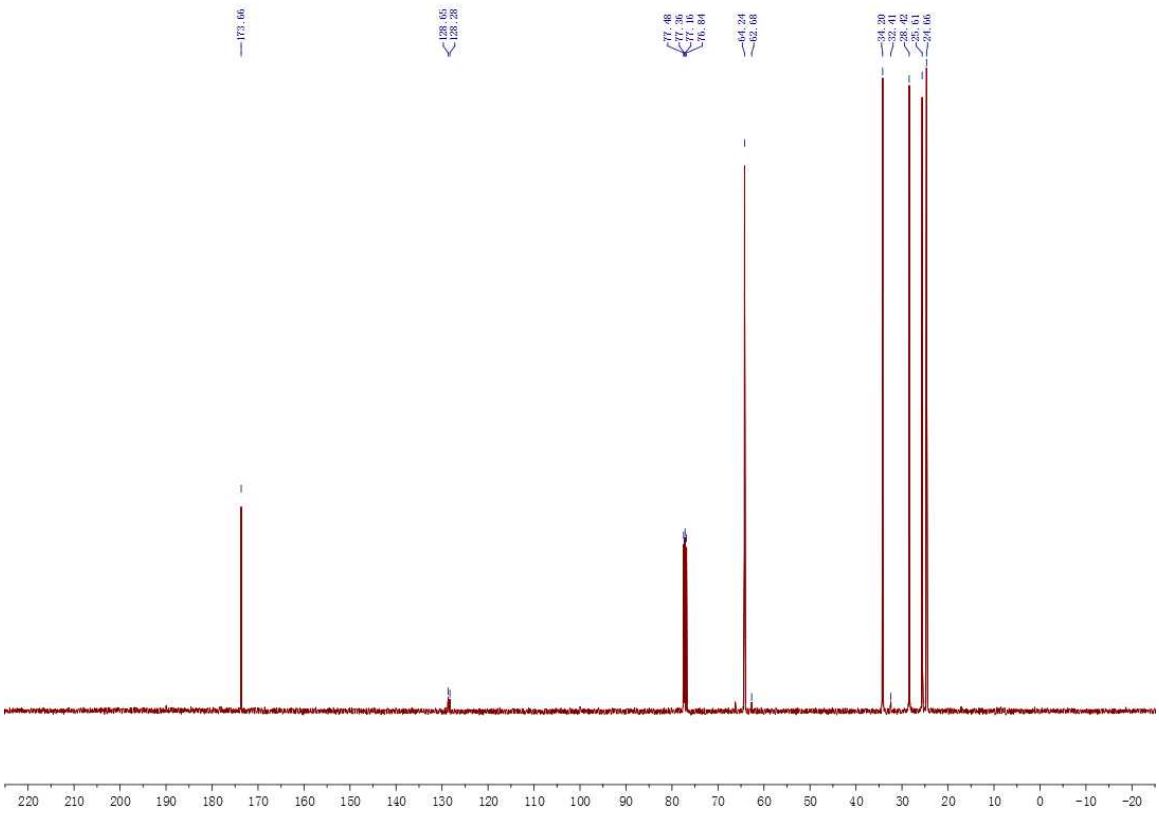


Figure S10. ^{13}C NMR spectrum of PCL in $CDCl_3$ catalyzed by tungsten pre-catalyst **6** with BnOH.

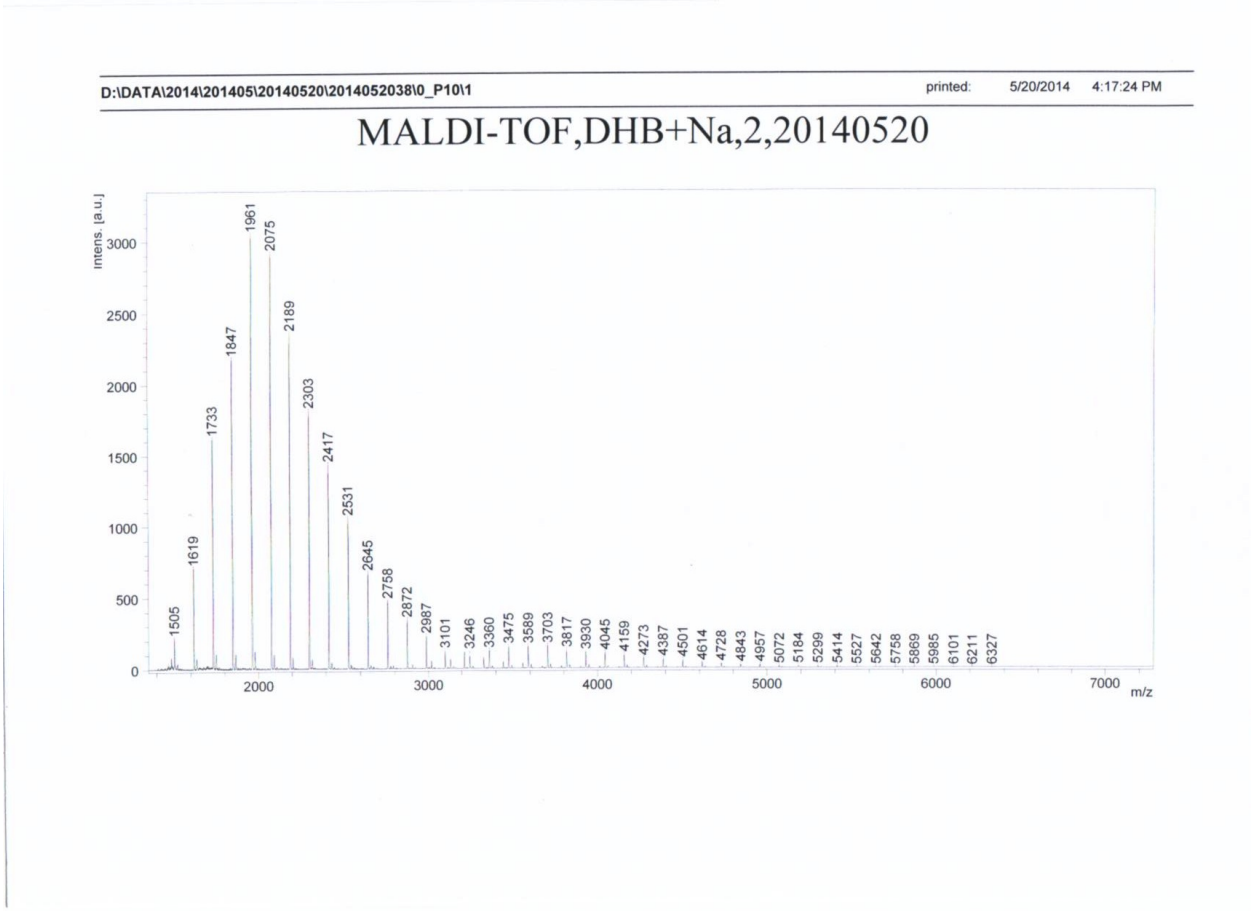


Figure S11. MALDI-TOF mass spectrum of PCL initiated by **2** in toluene at 110 °C, [CL]/[**2**]/[BnOH] =400:1:1 (Table 2, entry 3). 114.14*n + 108 + 1 + 22 for BnO-(CL)n-H+Na

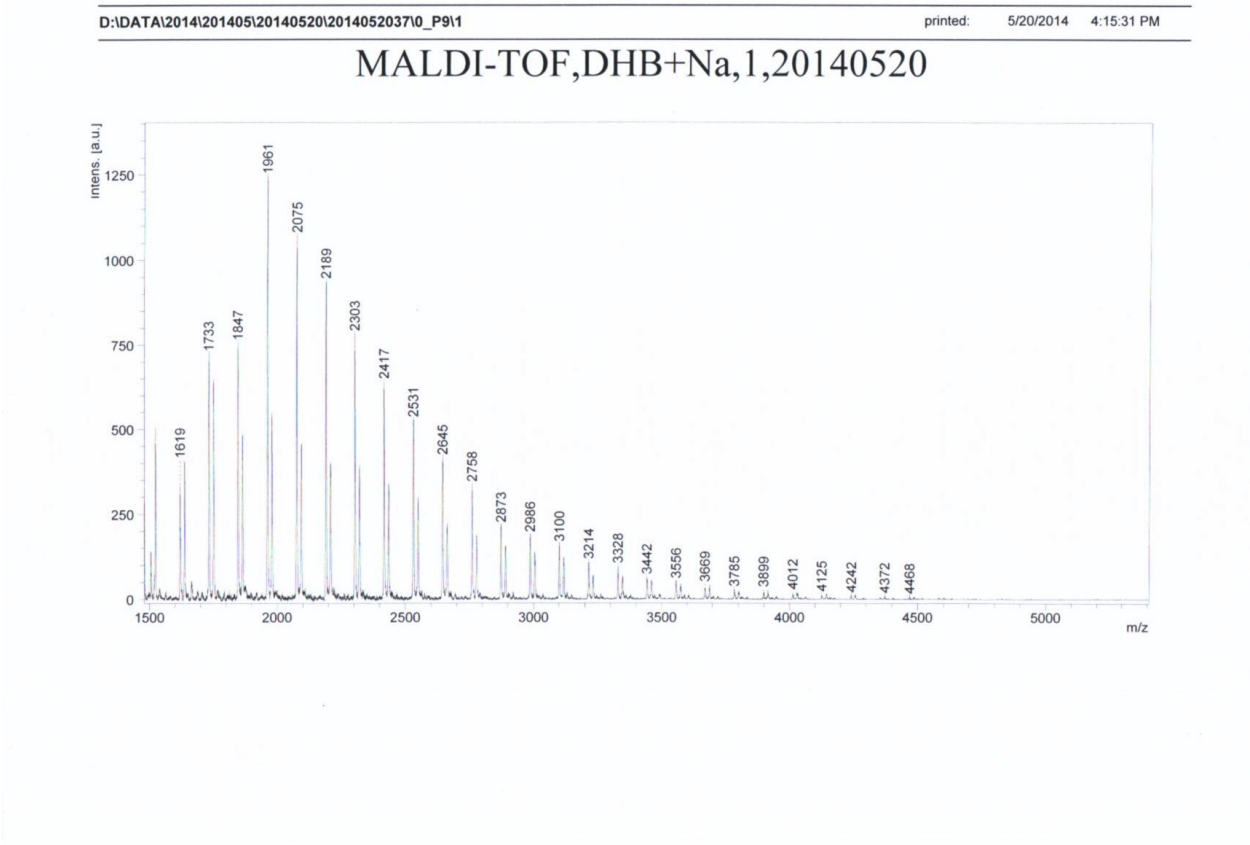


Figure S12. MALDI-TOF mass spectrum of PCL initiated by **5** in toluene at 110 °C, [CL]/[**5**]/[BnOH] =400:1:1 (Table 2, entry 5). 114.14*n + 108 + 1 + 22 for BnO-(CL)n-H+Na

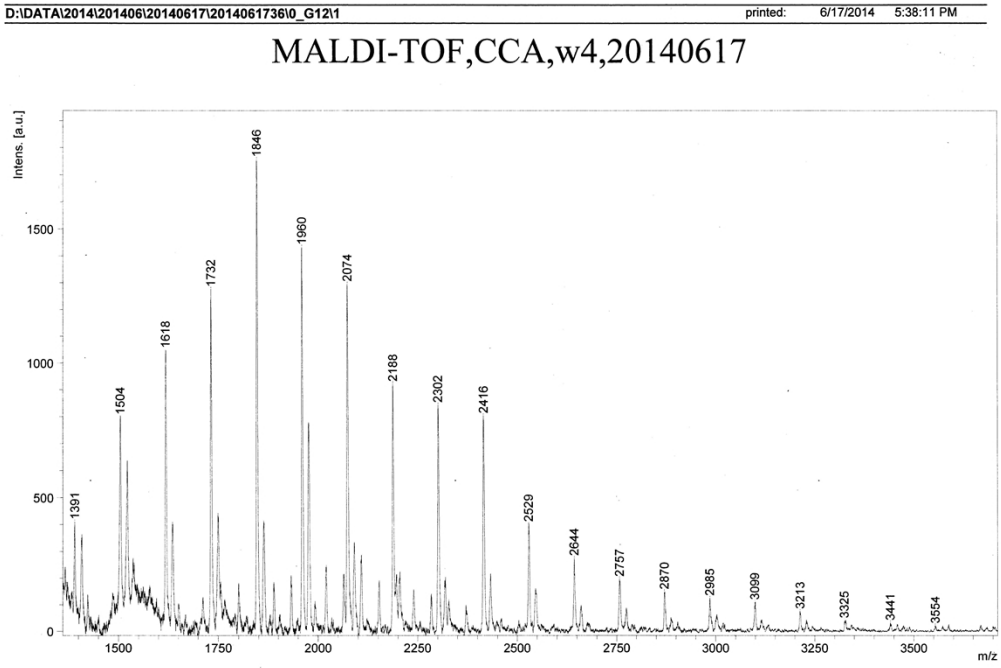


Figure S13. MALDI-TOF mass spectrum of PCL initiated by **6** in toluene at 110 °C, [CL]/[**6**]/[BnOH] =400:1:1 (Table 2, entry 6). 114.14*n + 108 + 1 + 22 for BnO-(CL)n-H+Na