

Bimetallic Aluminum complexes bearing the novel spiro-phenanthrene-monoketone/OH derivatives: synthesis, characterization and the ring-opening polymerization of ϵ -caprolactone

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FS1-FS10 ¹H and ¹³C NMR spectra of complexes **AI1-AI5**

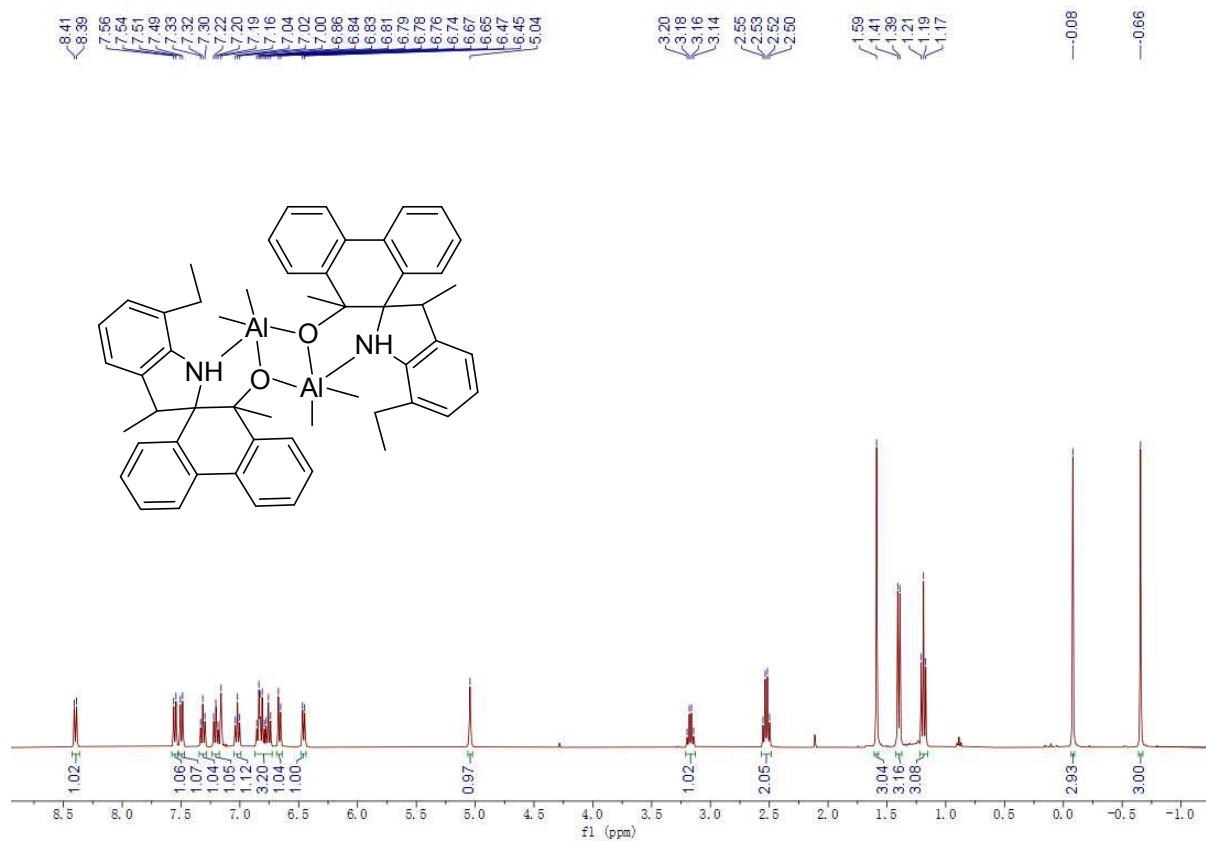


Figure S1 ^1H NMR spectrum of complex Al1 (400 MHz, C_6D_6 , 25°C)

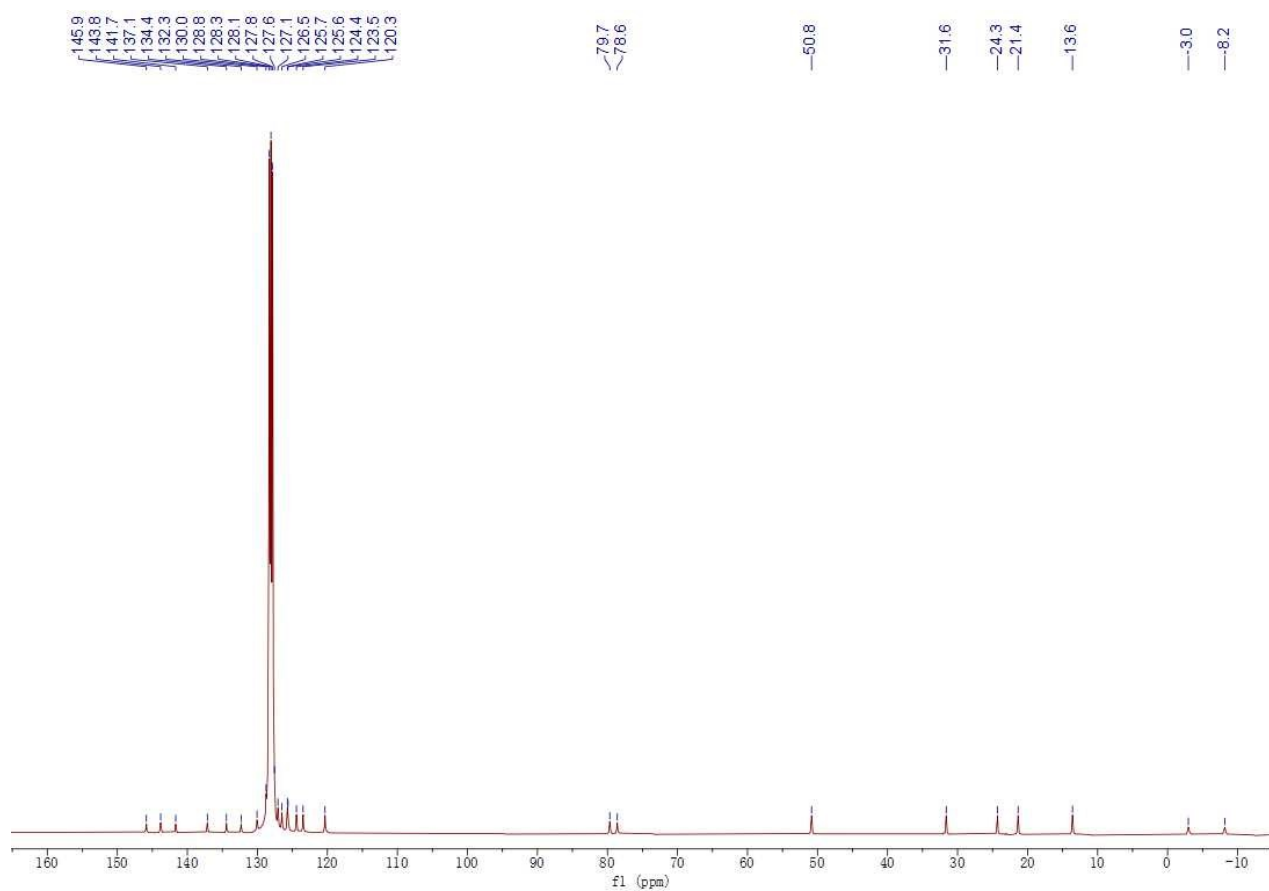


Figure S2 ^{13}C NMR spectrum of complex Al1 (100 MHz, C_6D_6 , 25°C)

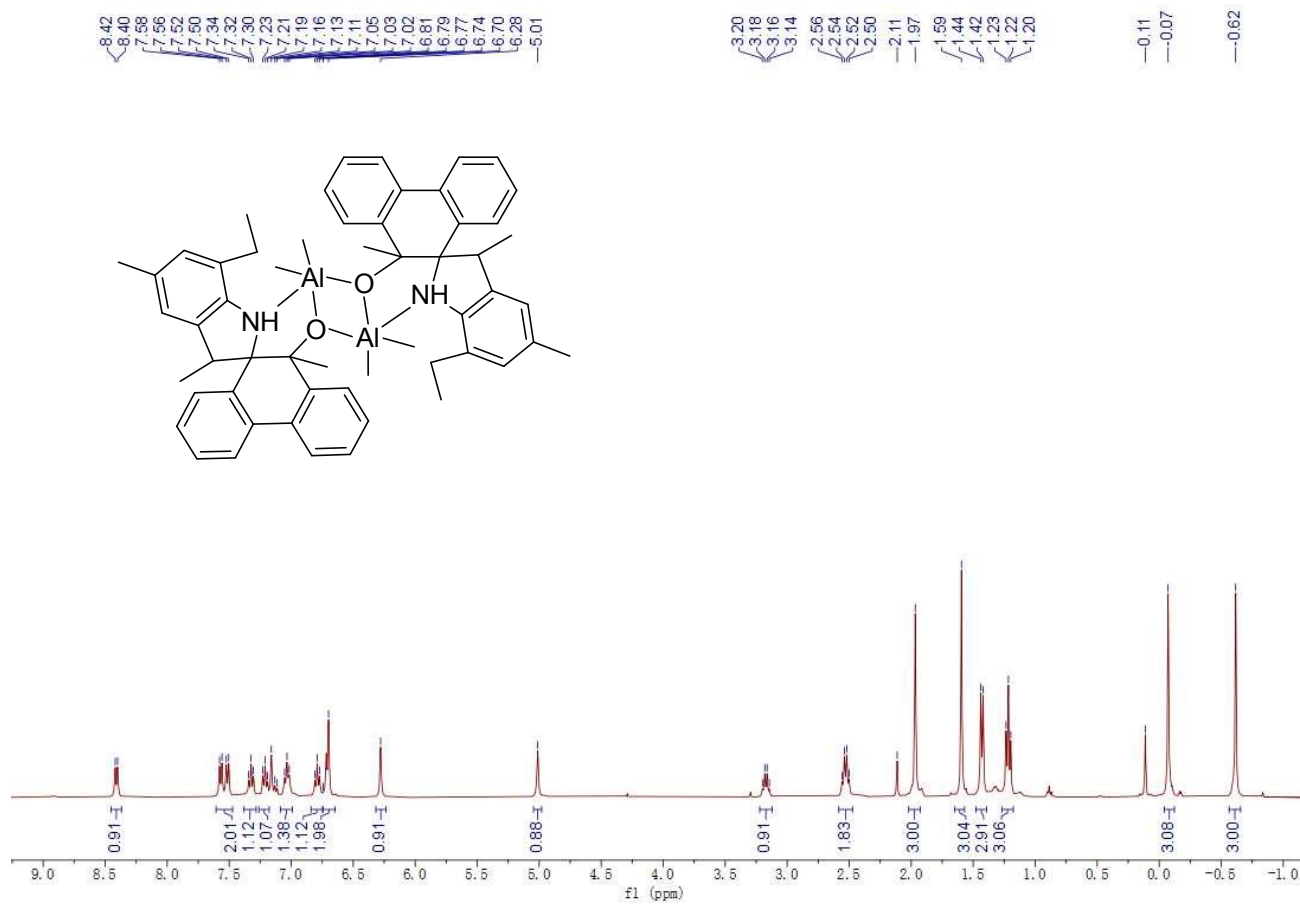


Figure S3 ^1H NMR spectrum of complex Al2 (400 MHz, C_6D_6 , 25°C)

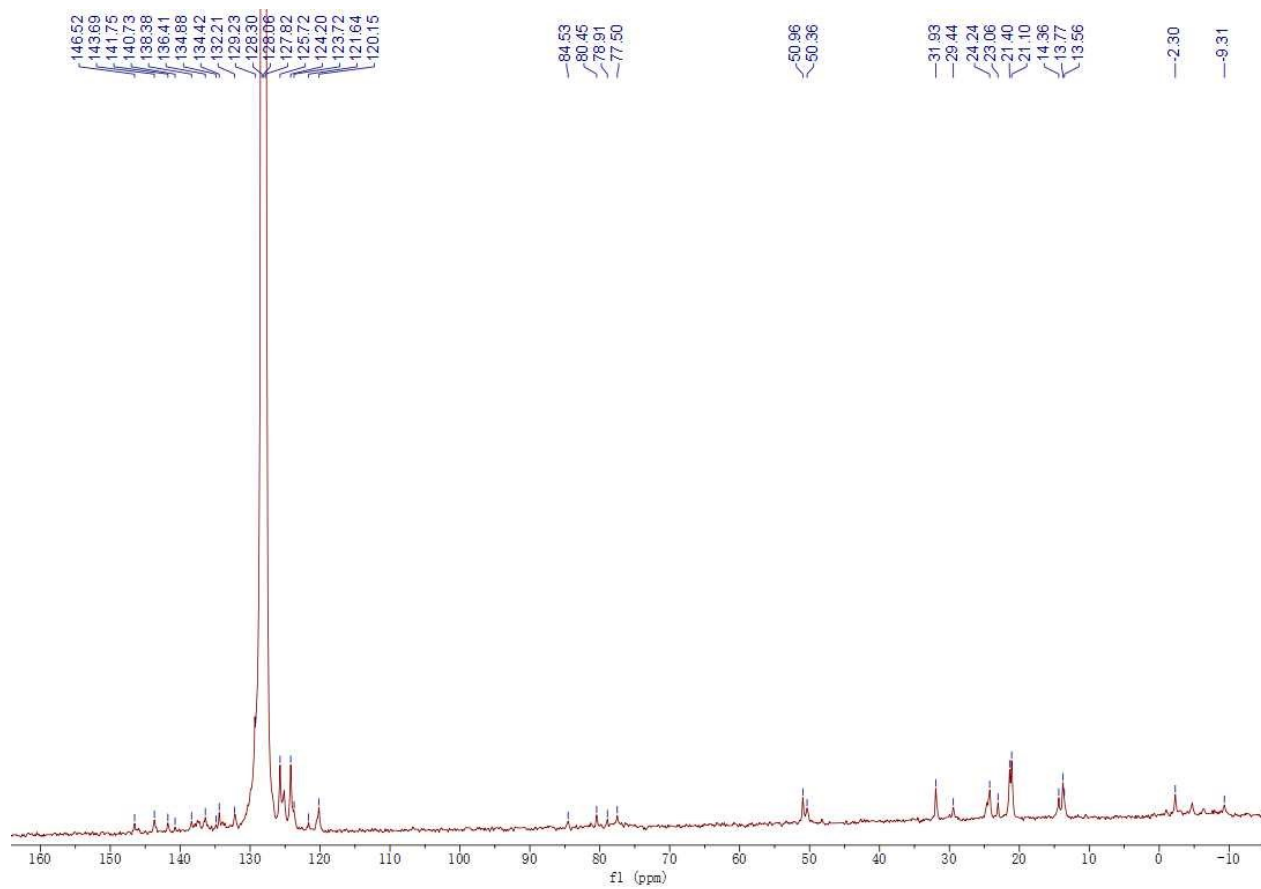


Figure S4 ^{13}C NMR spectrum of complex Al2 (100 MHz, C_6D_6 , 25°C)

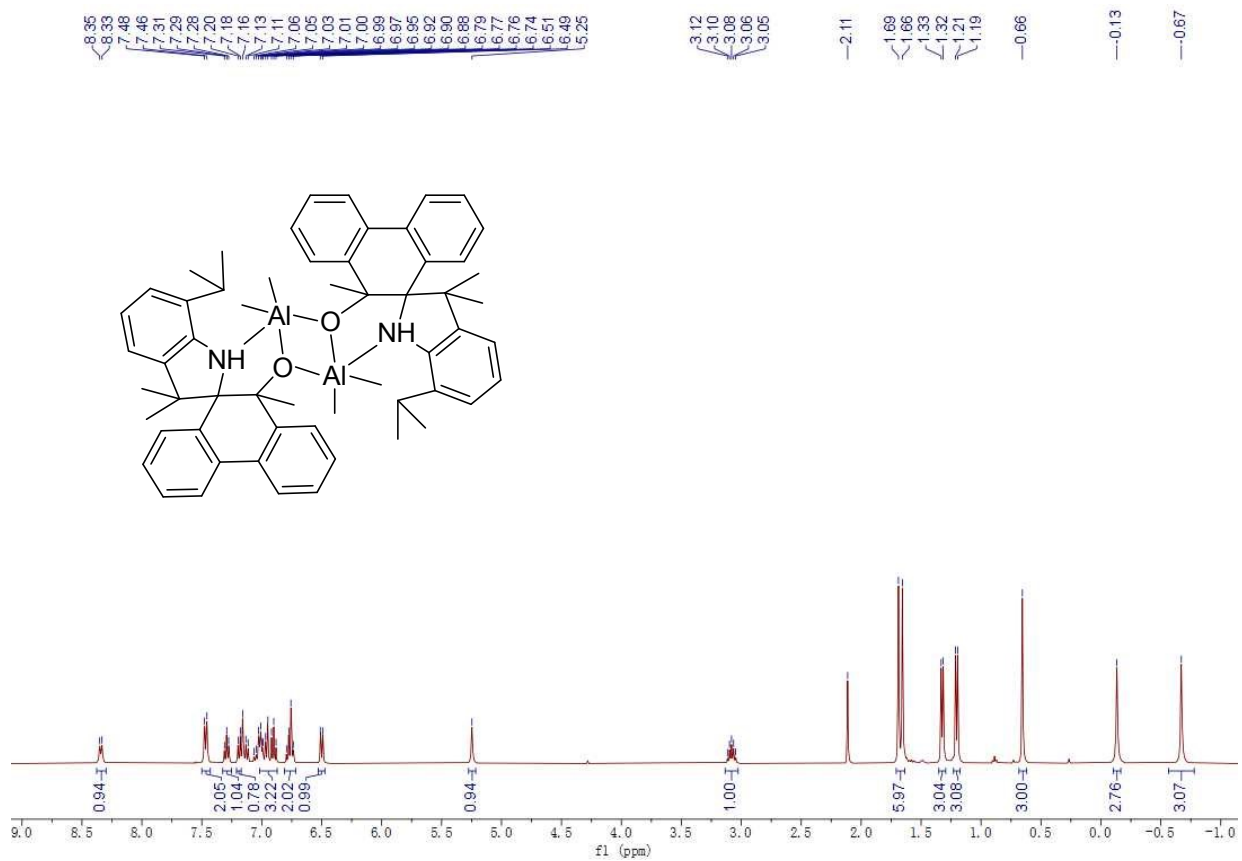


Figure S5 ^1H NMR spectrum of complex Al3 (400 MHz, C_6D_6 , 25°C)

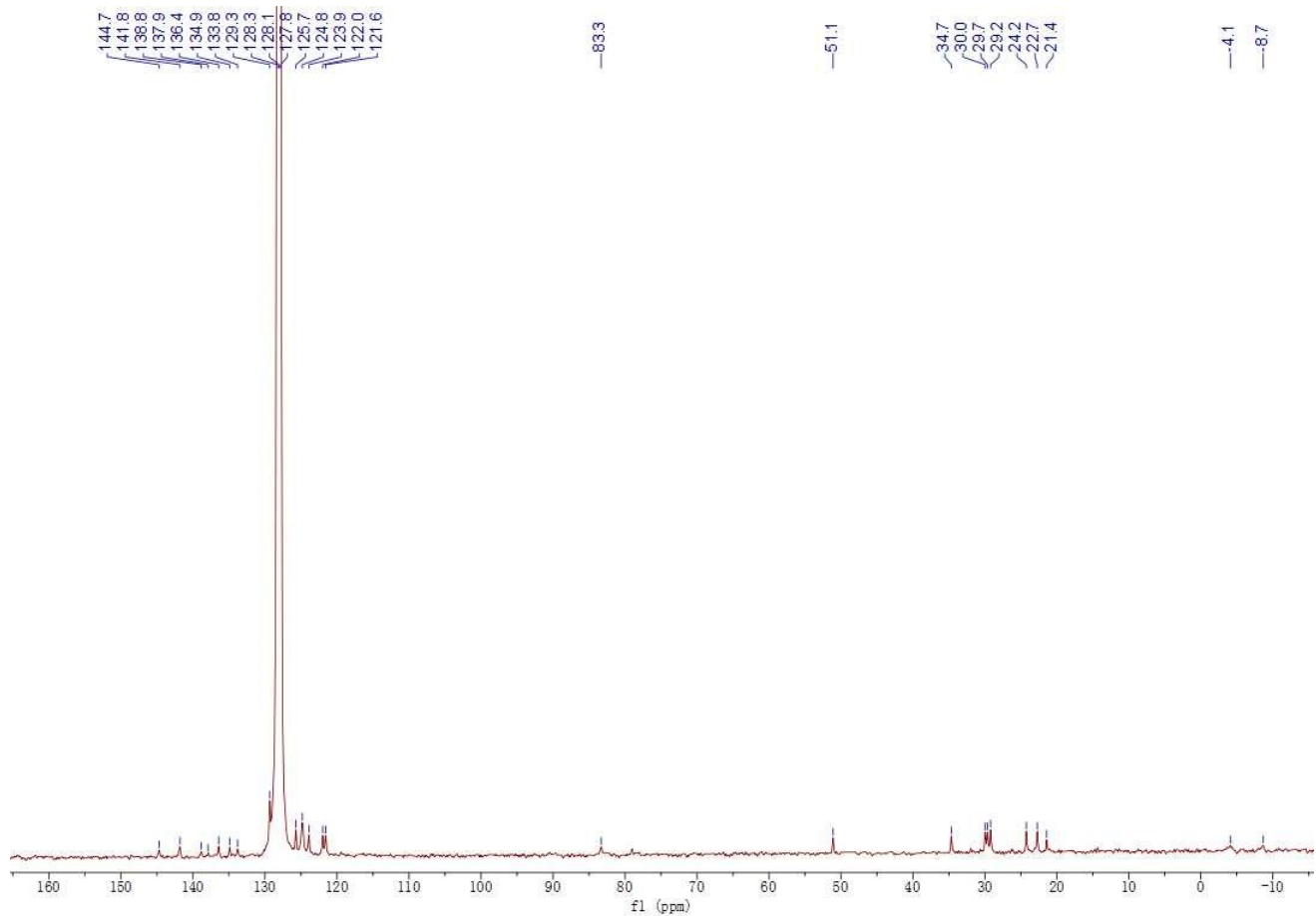


Figure S6 ^{13}C NMR spectrum of complex Al3 (100 MHz, C_6D_6 , 25°C)

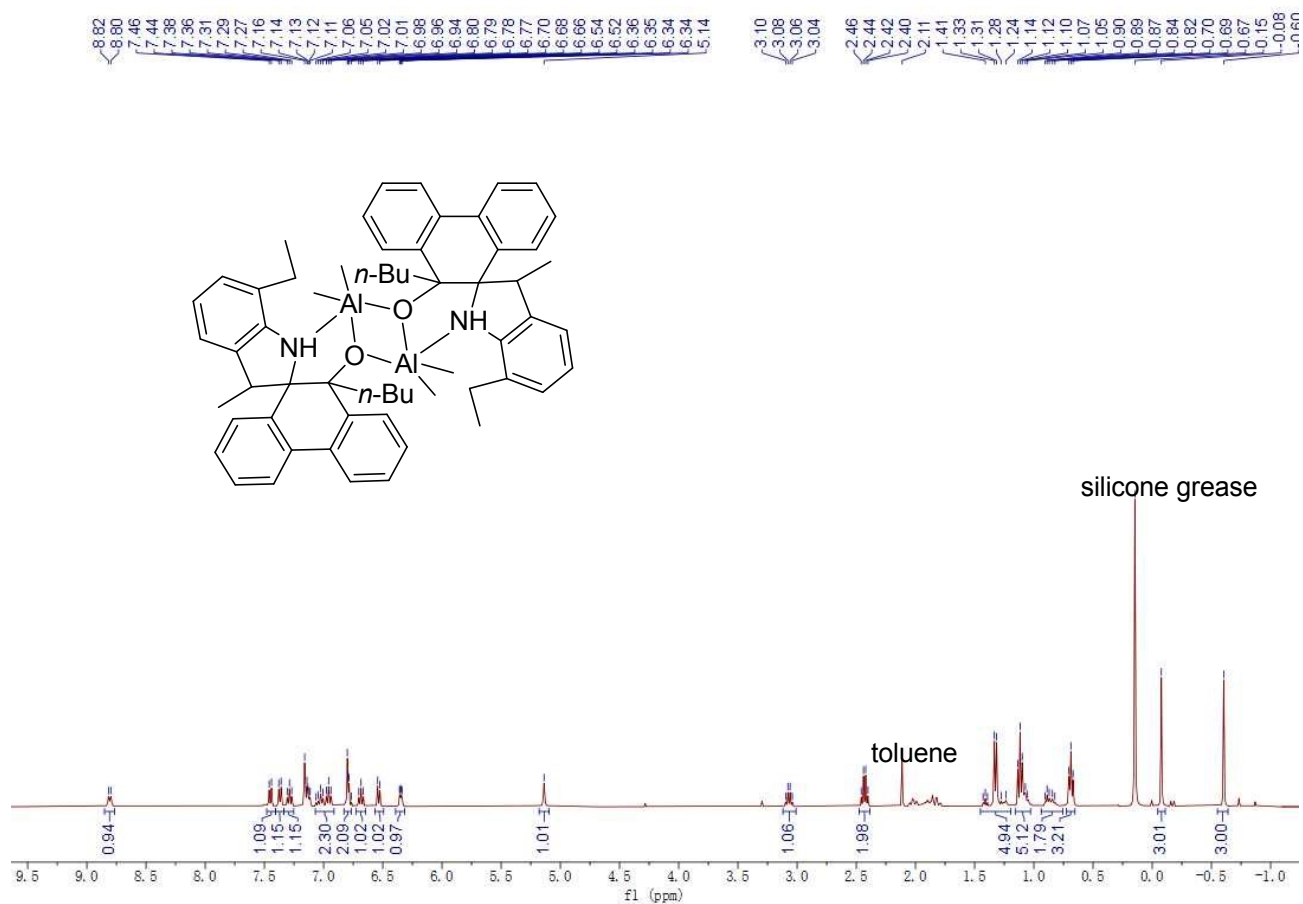


Figure S7 ^1H NMR spectrum of complex Al4 (400 MHz, C_6D_6 , 25°C)

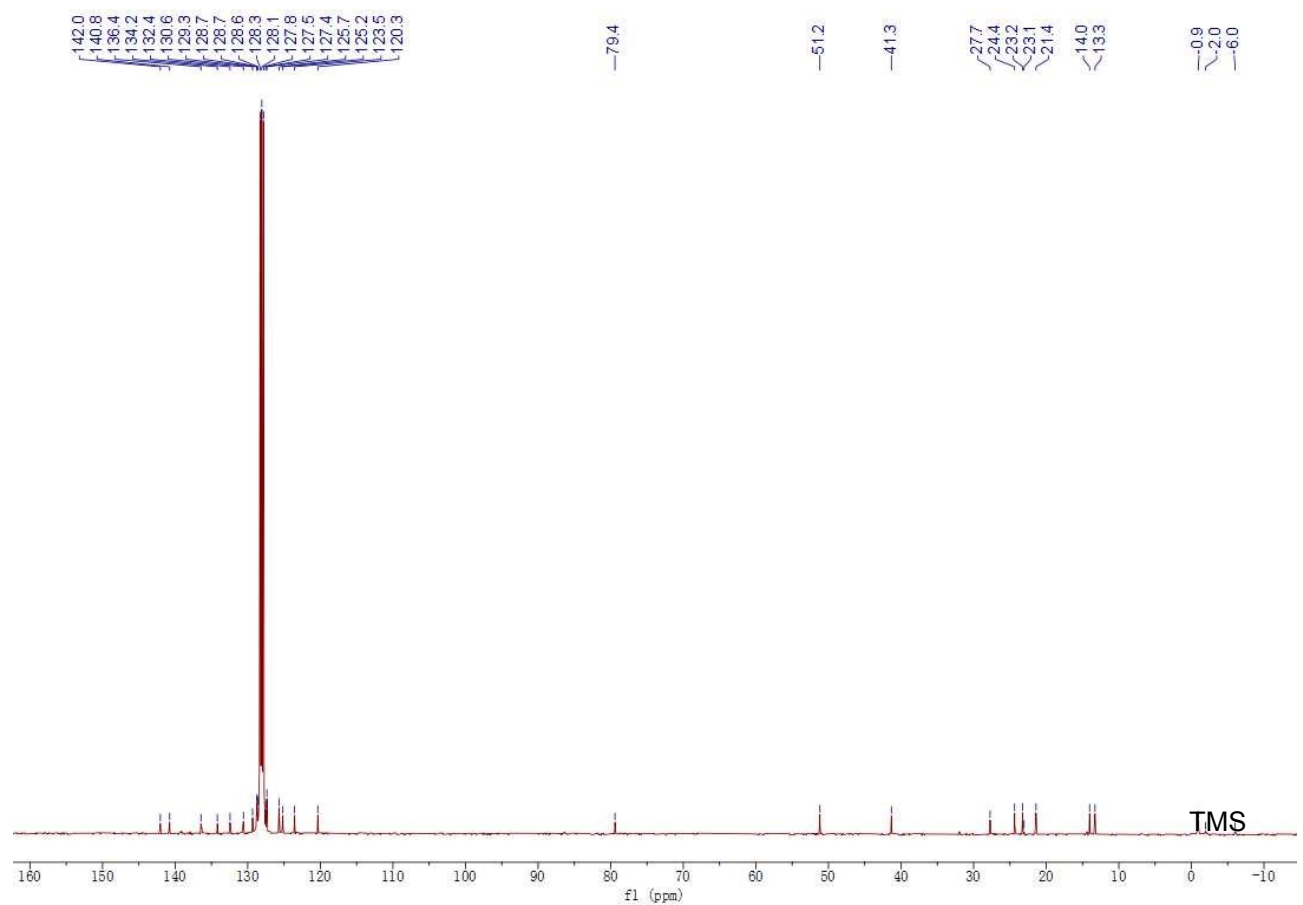


Figure S8 ^{13}C NMR spectrum of complex Al4 (100 MHz, C_6D_6 , 25°C)

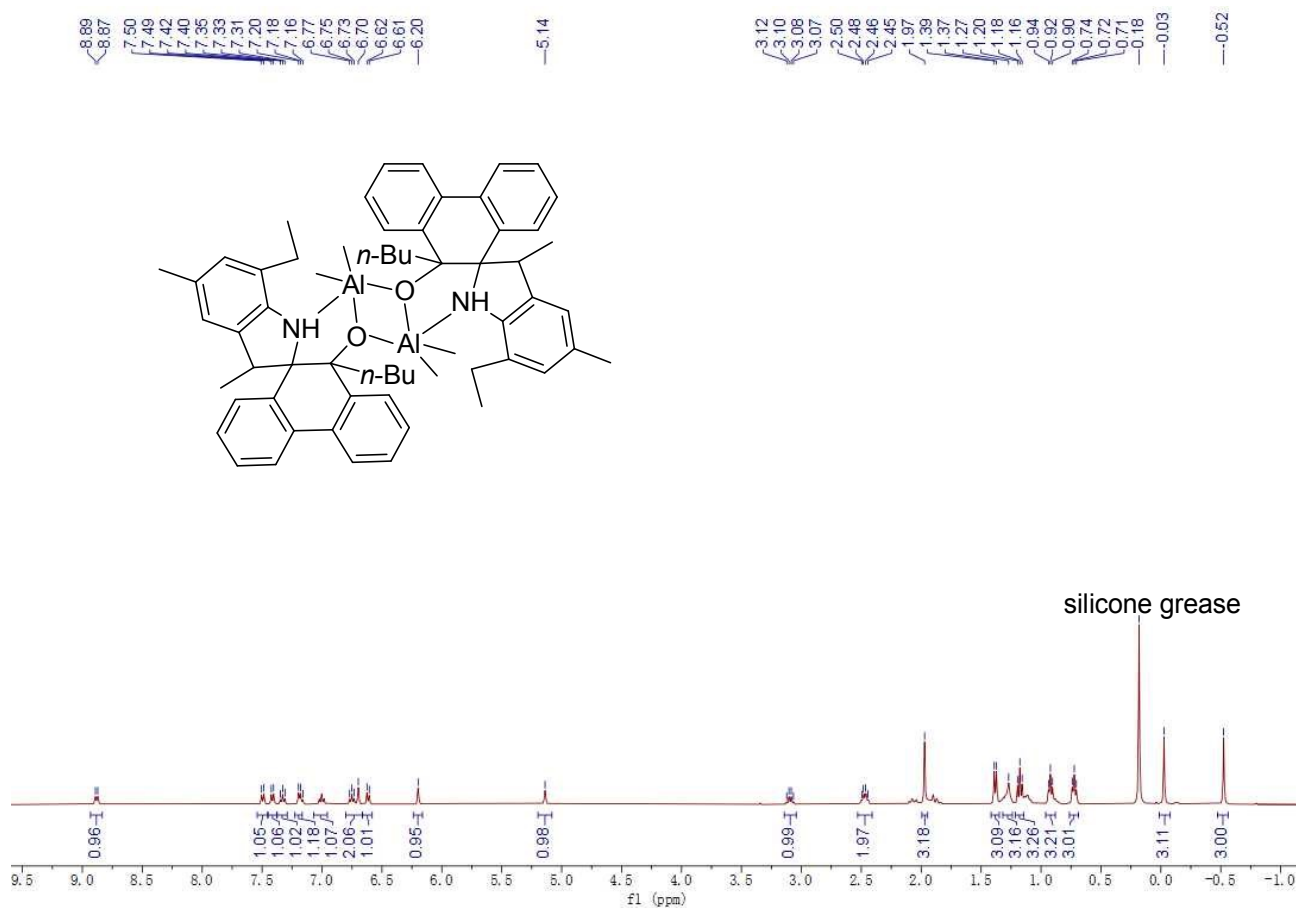


Figure S9 ^1H NMR spectrum of complex AI5 (400 MHz, C_6D_6 , 25°C)

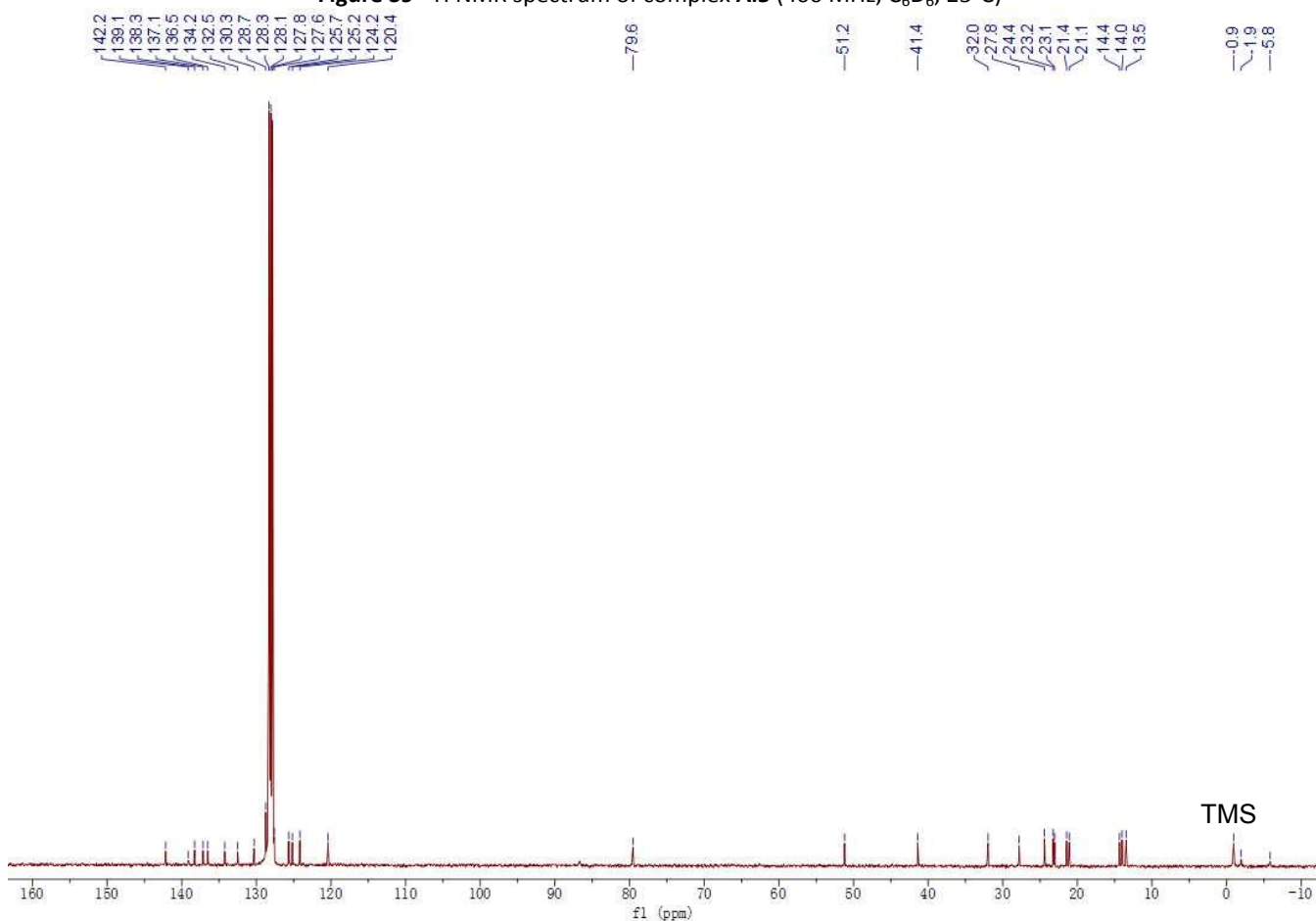


Figure S10 ^{13}C NMR spectrum of complex AI5 (100 MHz, C_6D_6 , 25°C)