

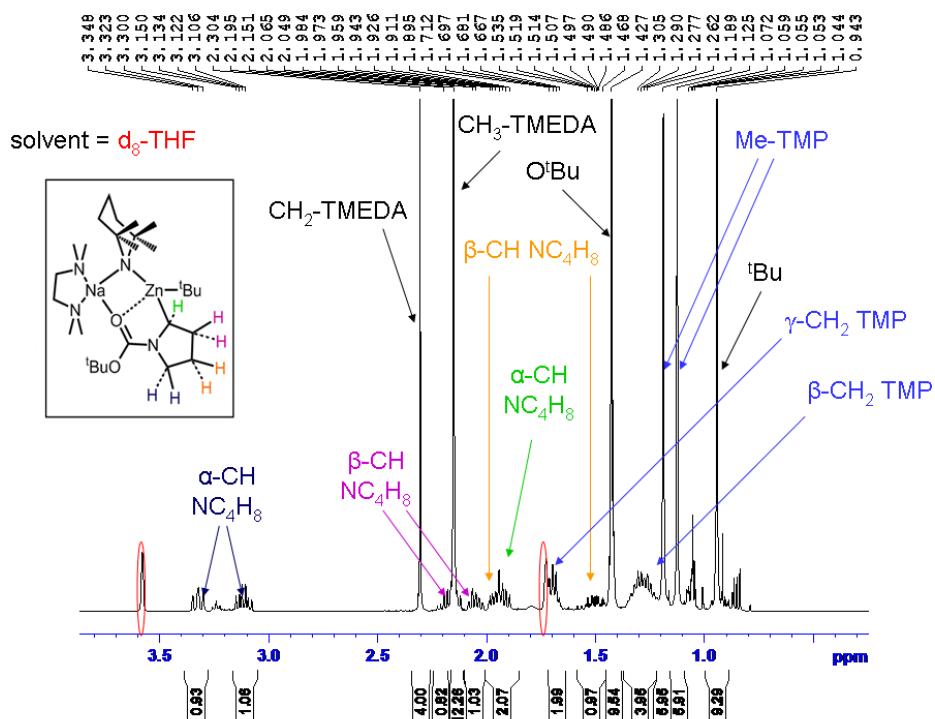
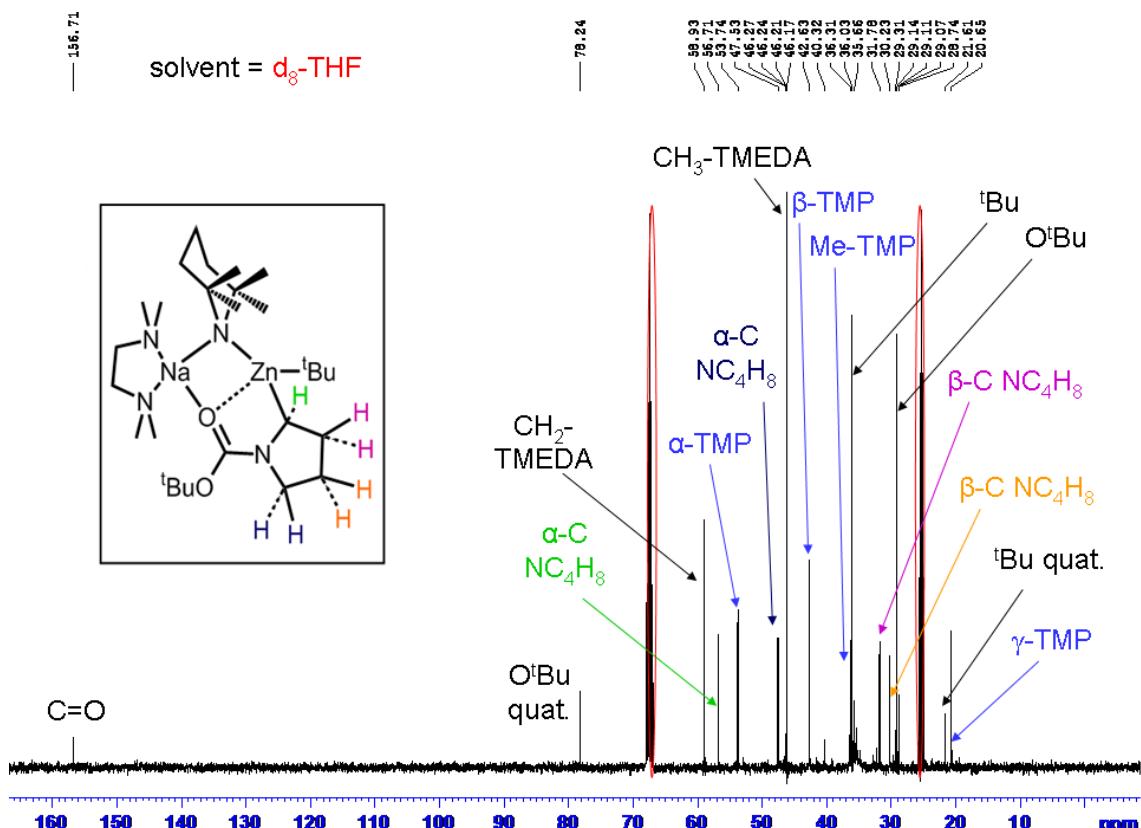
Chapter 4

Ambient temperature zincation of *N*-Boc pyrrolidine: Synthesis, Structure and Reactivity of a Sodium Pyrrolide-Zincate Reagent

Supporting Information

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NMR Data**Figure S1** ^1H NMR spectrum of $[(\text{TMEDA})\text{Na}(\text{TMP})(\alpha\text{-NC}_4\text{H}_7\text{NBoc})\text{Zn}(t\text{Bu})]$ (13).**Figure S2** ^{13}C NMR spectrum of $[(\text{TMEDA})\text{Na}(\text{TMP})(\alpha\text{-NC}_4\text{H}_7\text{NBoc})\text{Zn}(t\text{Bu})]$ (13).

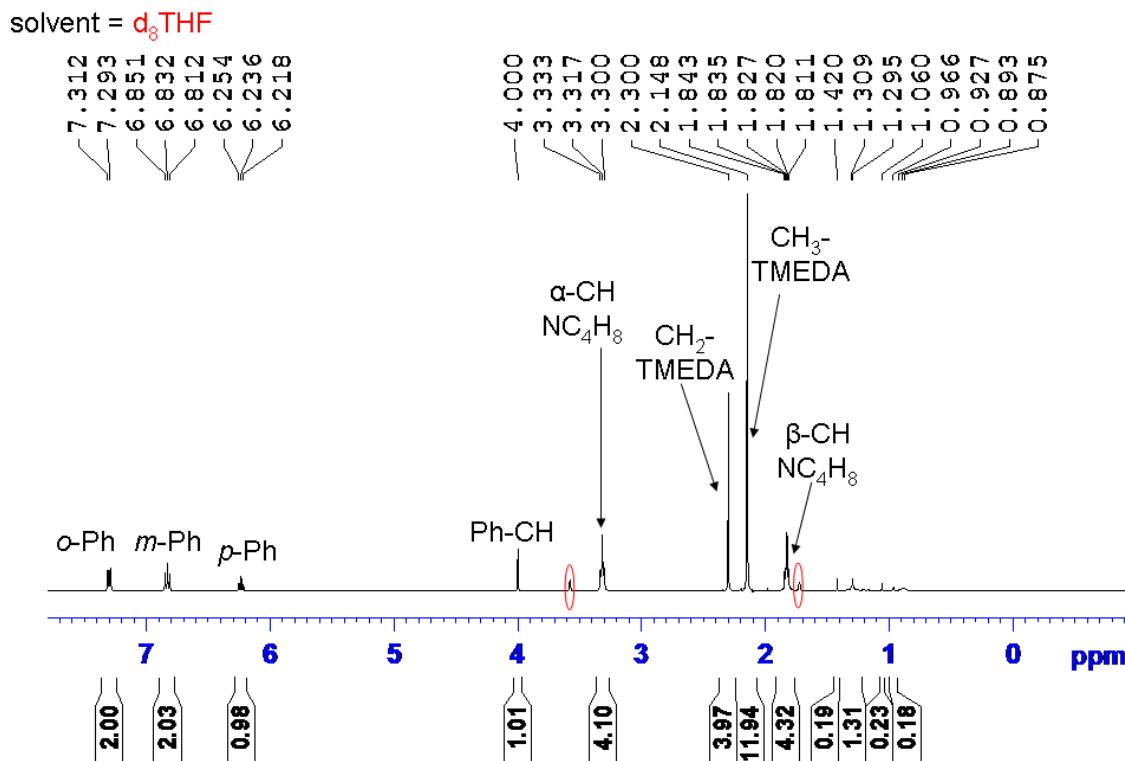


Figure S3 1 H NMR spectrum of $\{[(\text{TMEDA})\text{Na}[\text{OC}(\text{NC}_4\text{H}_8)\text{CHPh}]]_2\}$ (**14**).

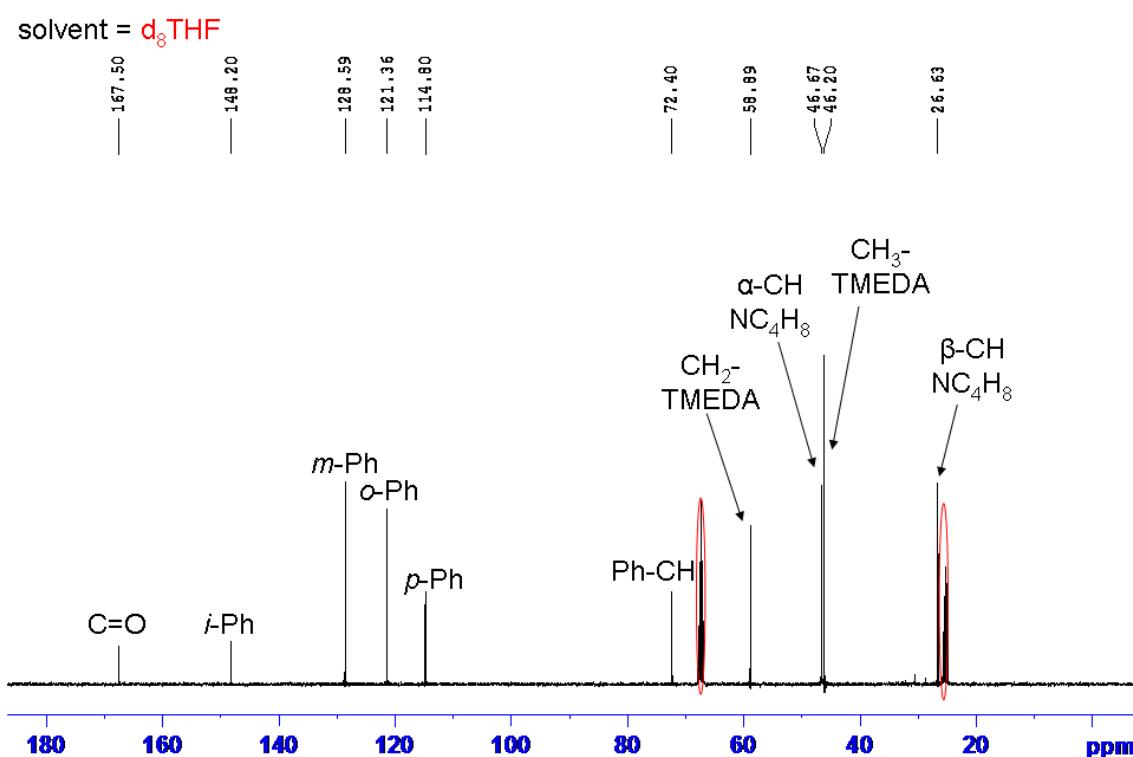


Figure S4 13 C NMR spectrum of $\{[(\text{TMEDA})\text{Na}[\text{OC}(\text{NC}_4\text{H}_8)\text{CHPh}]]_2\}$ (**14**).

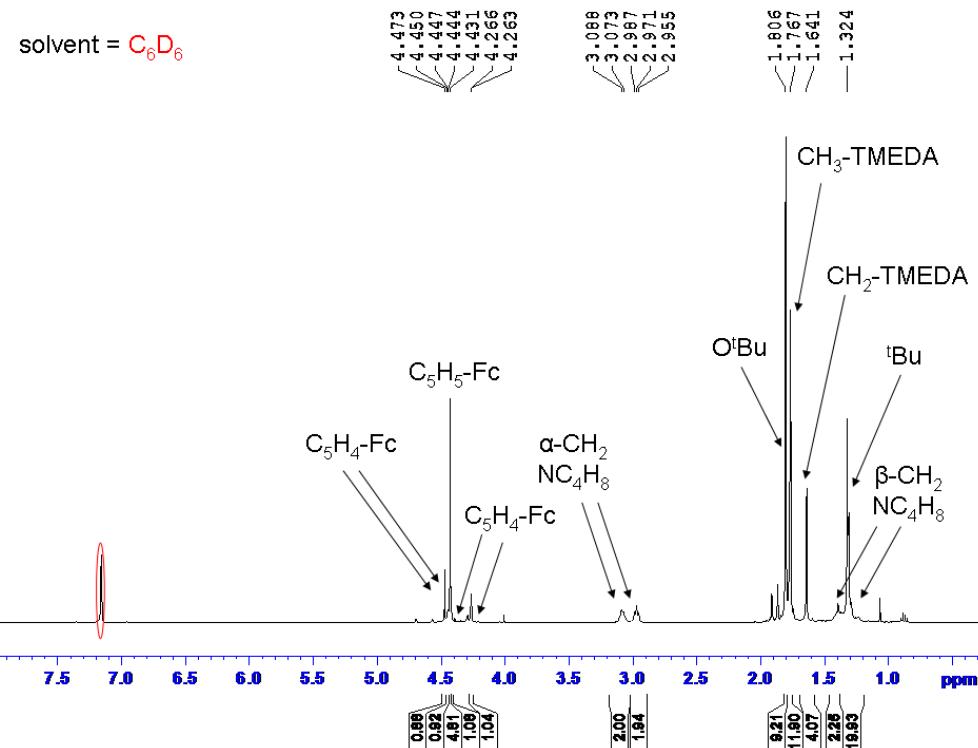


Figure S5 ^1H NMR spectrum of $[(\text{TMEDA})(\text{Boc-NC}_4\text{H}_8)\text{Na}\{(\eta^2\text{-C}_5\text{H}_4)\text{Fe}(\text{C}_5\text{H}_5)\}\text{Zn}(\text{tBu})_2]$ (**16**).

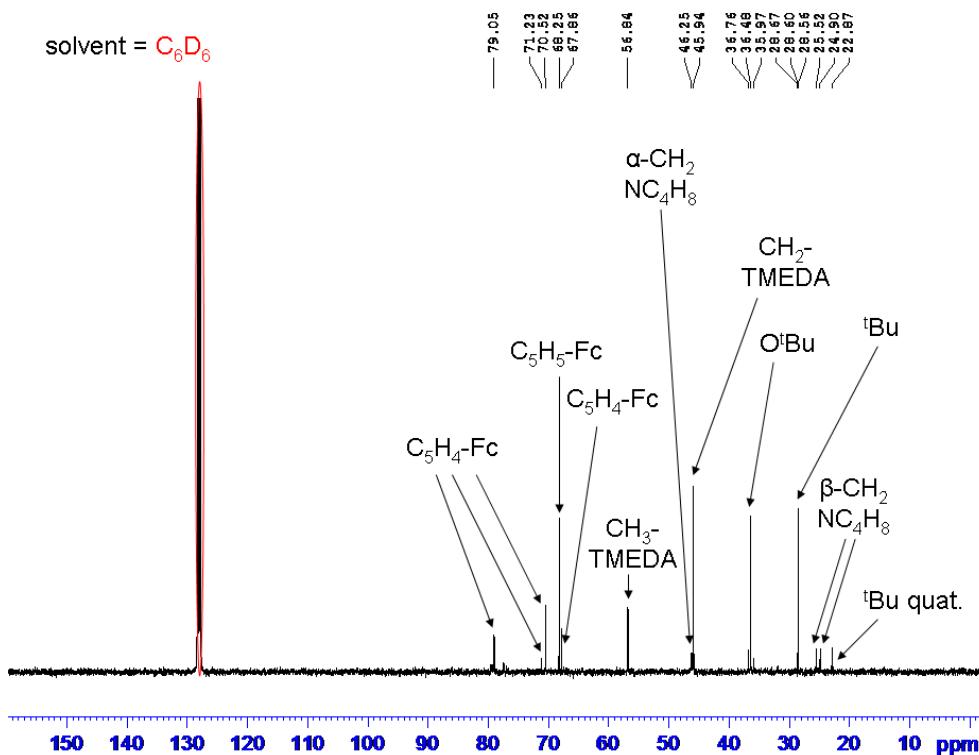


Figure S6 ^{13}C NMR spectrum of $[(\text{TMEDA})(\text{Boc-NC}_4\text{H}_8)\text{Na}\{(\eta^2\text{-C}_5\text{H}_4)\text{Fe}(\text{C}_5\text{H}_5)\}\text{Zn}(\text{tBu})_2]$ (**16**).

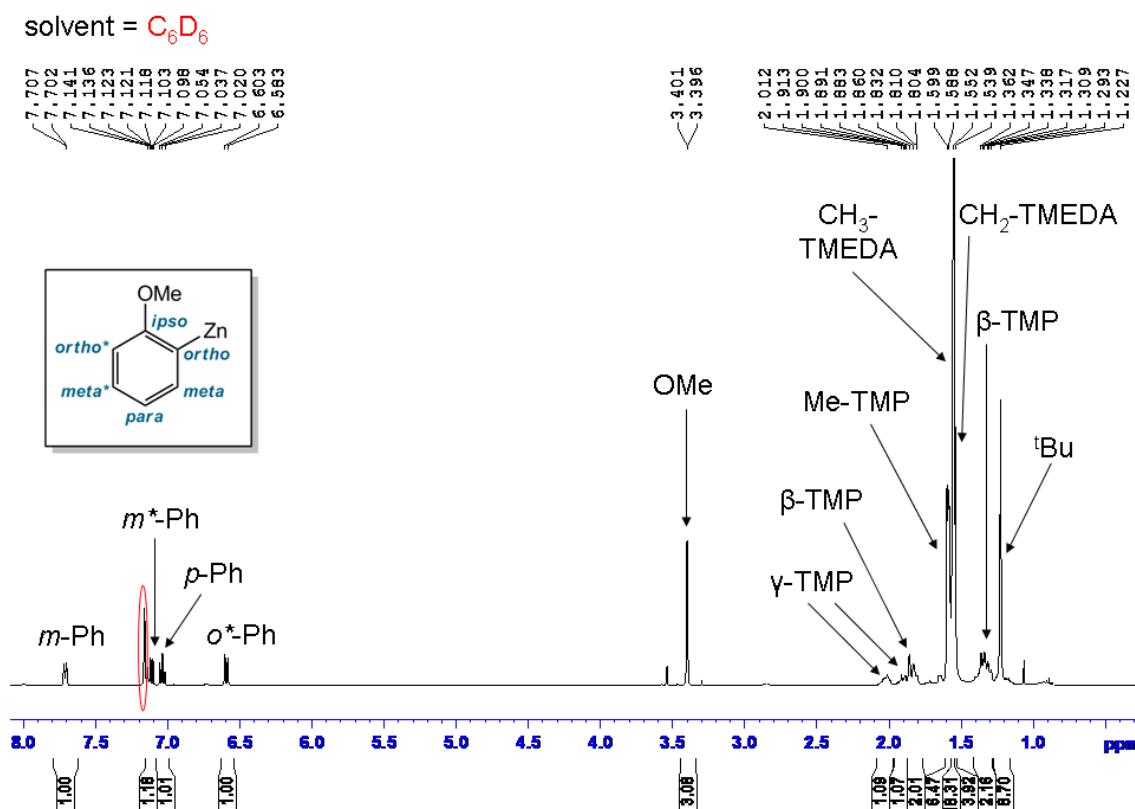


Figure S7 ^1H NMR spectrum of $[(\text{TMEDA})\text{Na}(\mu\text{-TMP})(\mu\text{-C}_6\text{H}_4\text{OMe})\text{Zn}(\text{t-Bu})]$ (**17**).

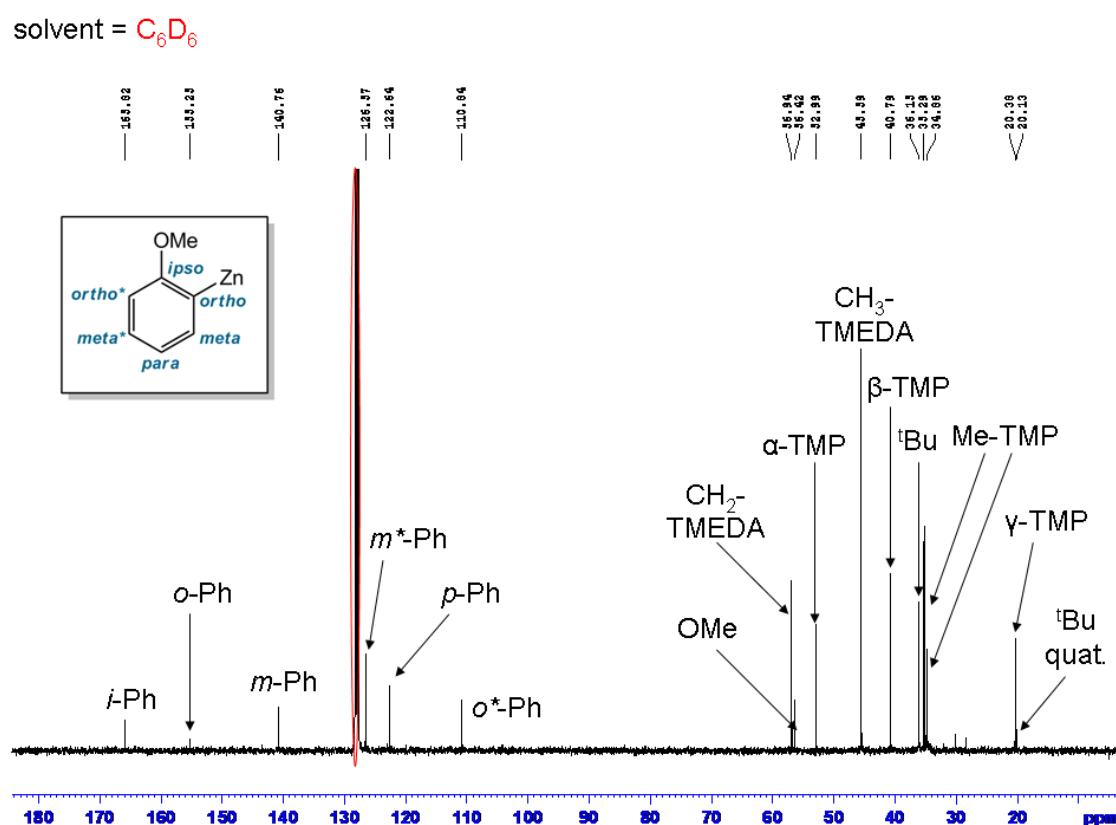


Figure S8 ^{13}C NMR spectrum of $[(\text{TMEDA})\text{Na}(\mu\text{-TMP})(\mu\text{-C}_6\text{H}_4\text{OMe})\text{Zn}(\text{t-Bu})]$ (**17**).