

Supporting Information

Synthesis and Characterization of N-Heterocyclic-Carbene-Coordinated Silicon Compounds Bearing a Fused-Ring Bulky Eind Group

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NMR spectra of the new compounds (**4a**, **2a'**, and **3a**) IR spectrum of **4a**

(Eind)₂SiHBr₂ (**4a**): Figures S1, S2, S3, and S4

(Im-^{*i*}Pr₂Me₂)→SiBr(Eind) (**2a'**): Figures S5, S6, and S7

[(Im-Me₄)₂→Si(Eind)]⁺[Br]⁻ (**3a**): Figures S8, S9, and S10

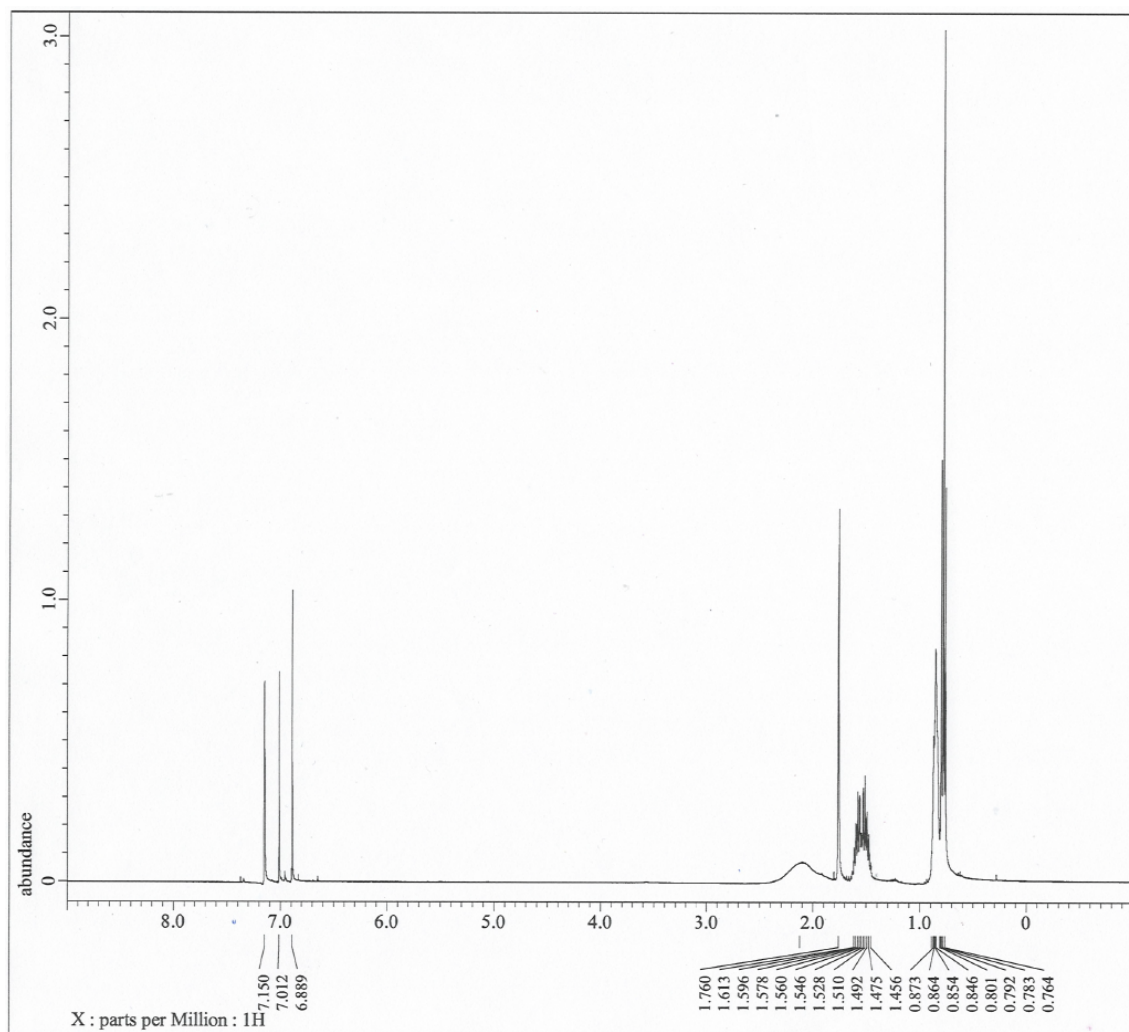


Figure S1. ^1H NMR spectrum of **4a** in C_6D_6 at $30\text{ }^\circ\text{C}$.

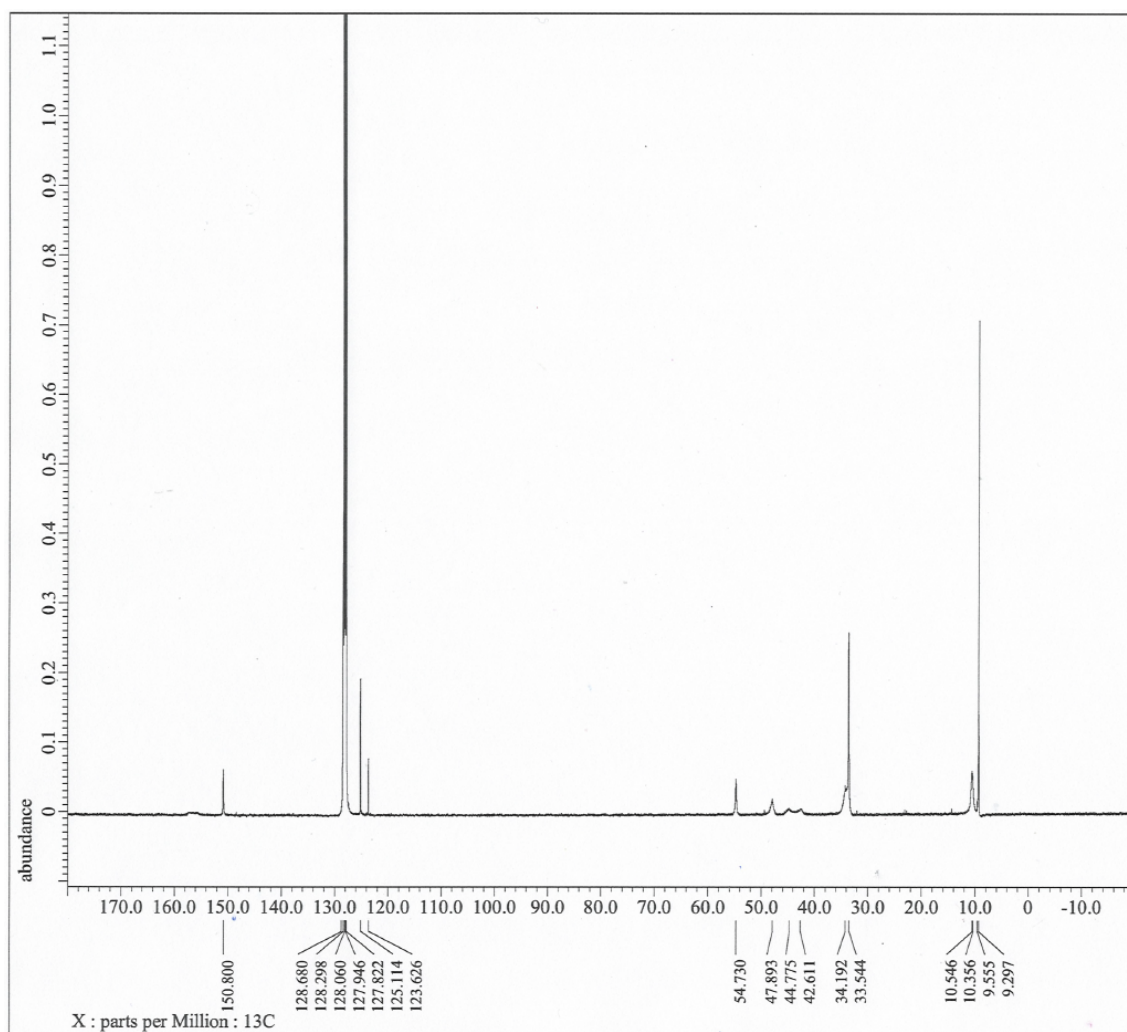


Figure S2. ^{13}C NMR spectrum of **4a** in C_6D_6 at 25°C .

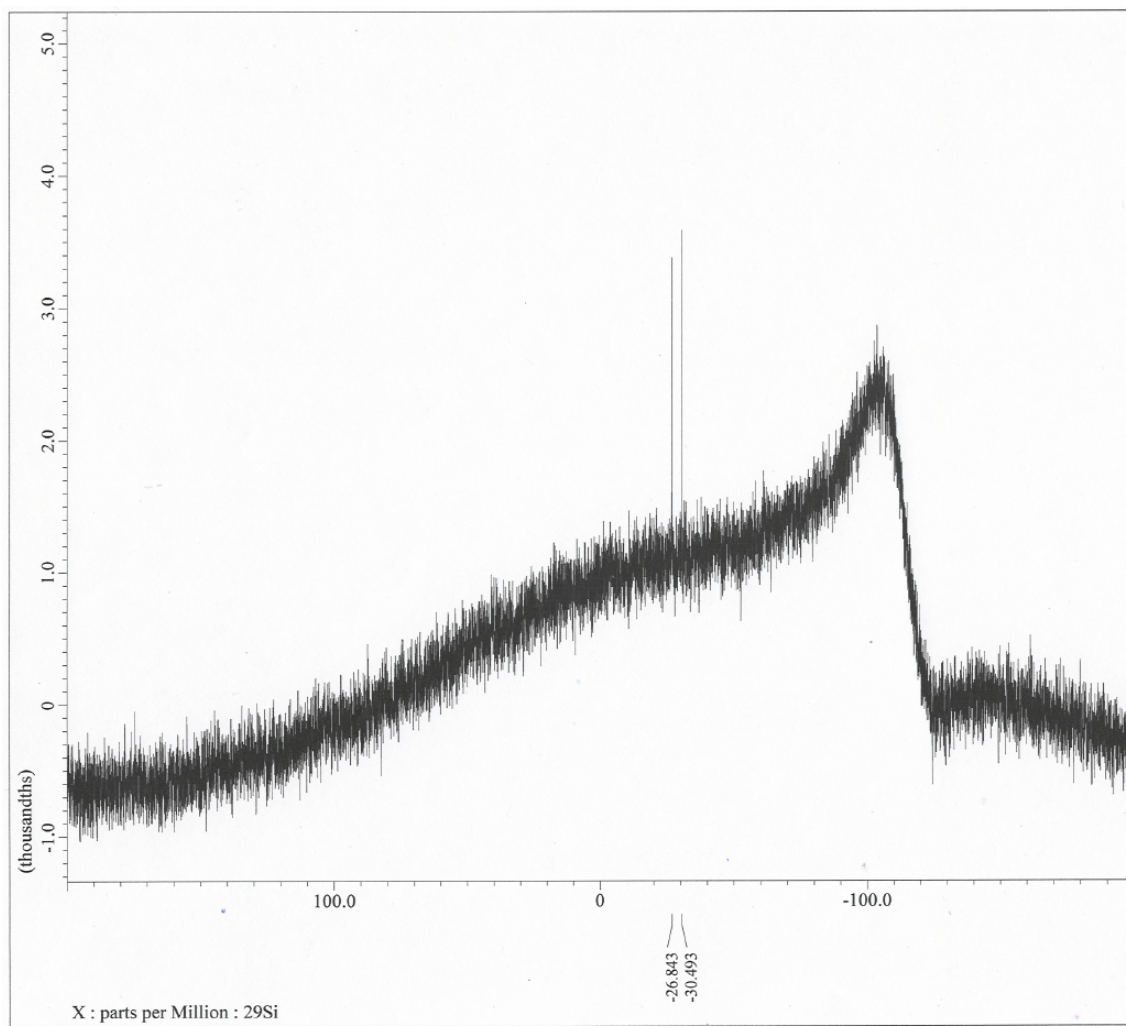


Figure S3. ^{29}Si NMR spectrum of **4a** in C_6D_6 at 30 °C.

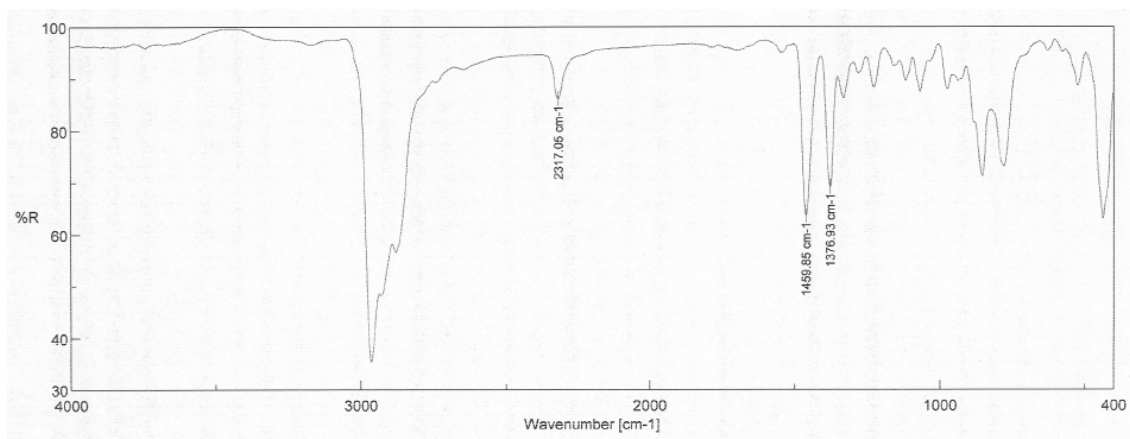


Figure S4. IR spectrum of **4a** (KBr).

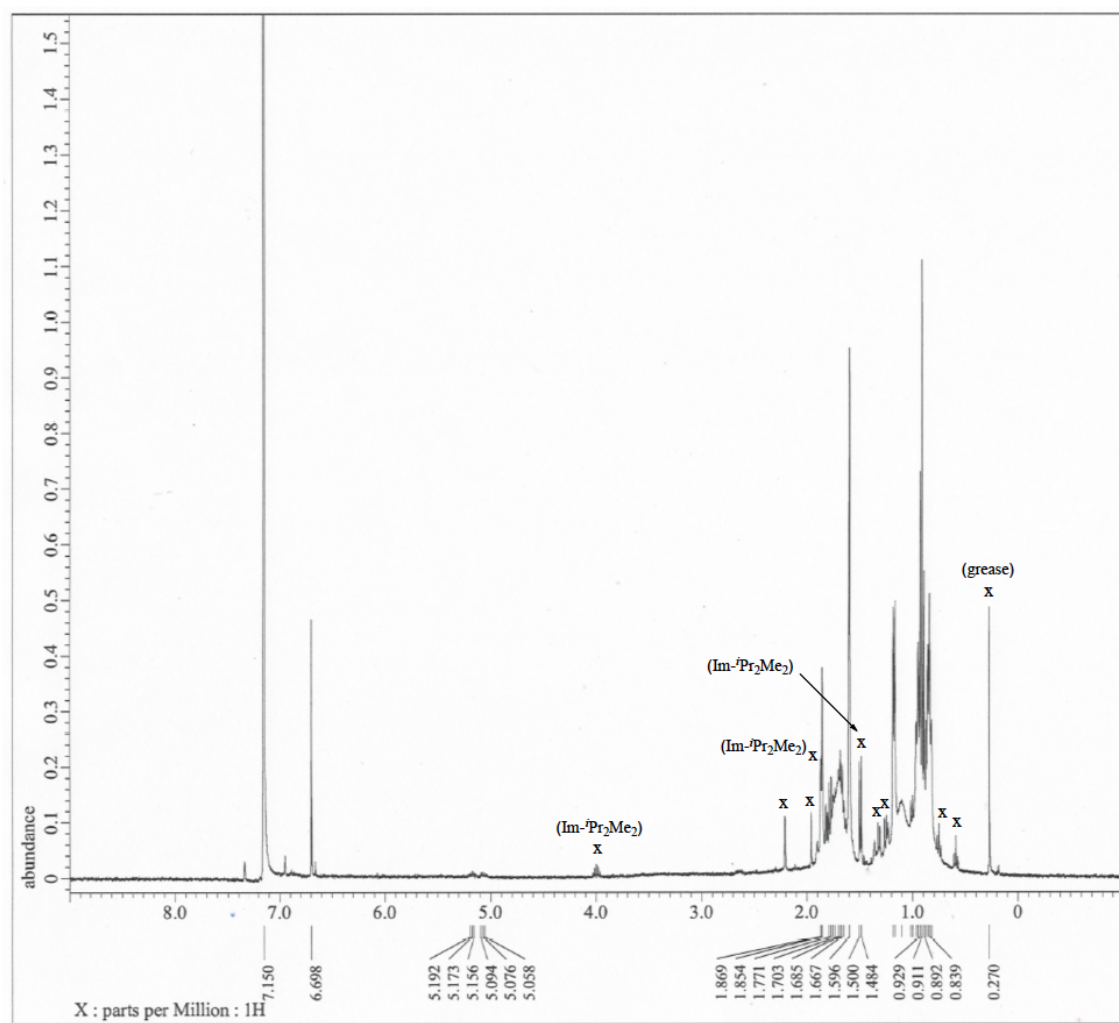
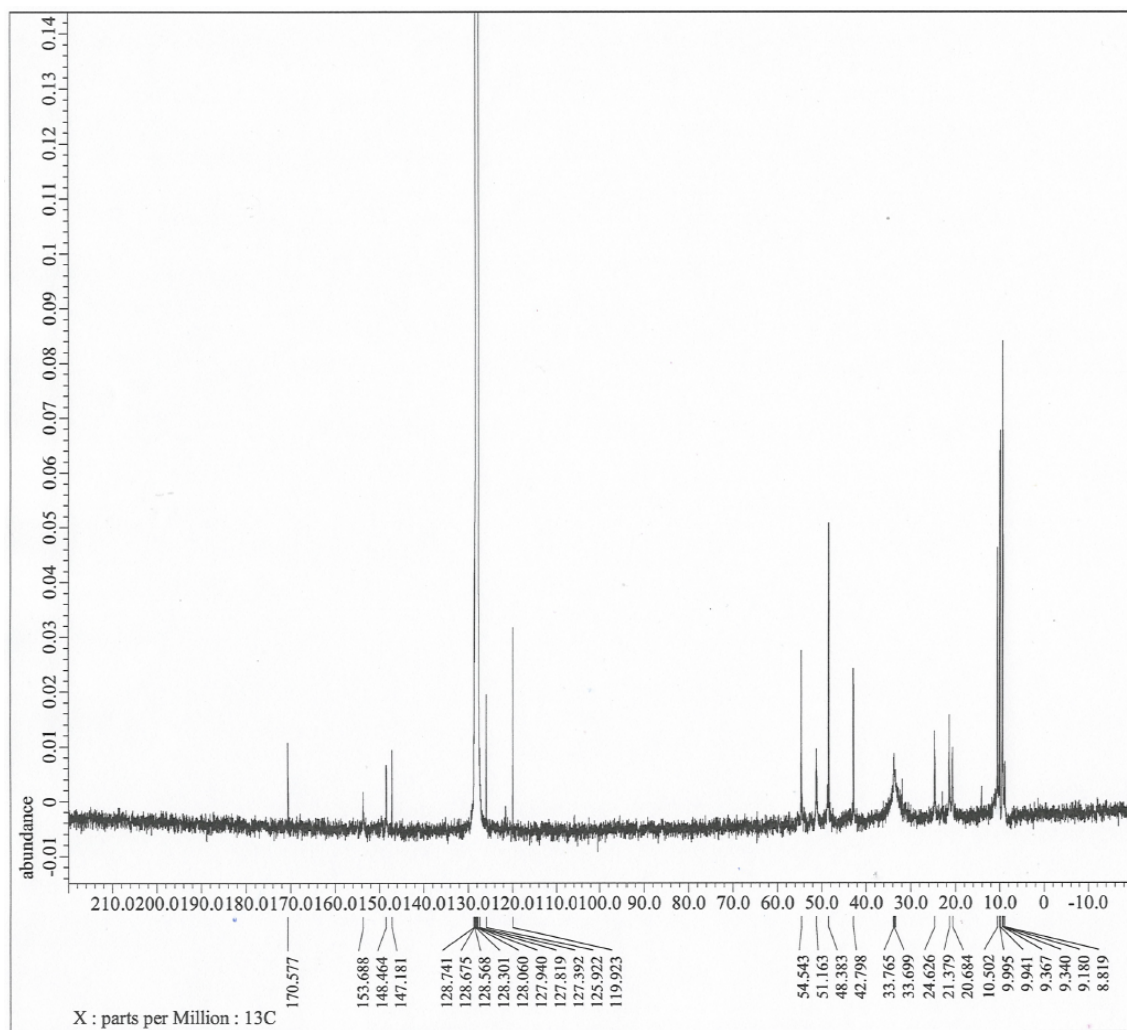


Figure S5. ^1H NMR spectrum of **2a'** in C_6D_6 at 60 °C.



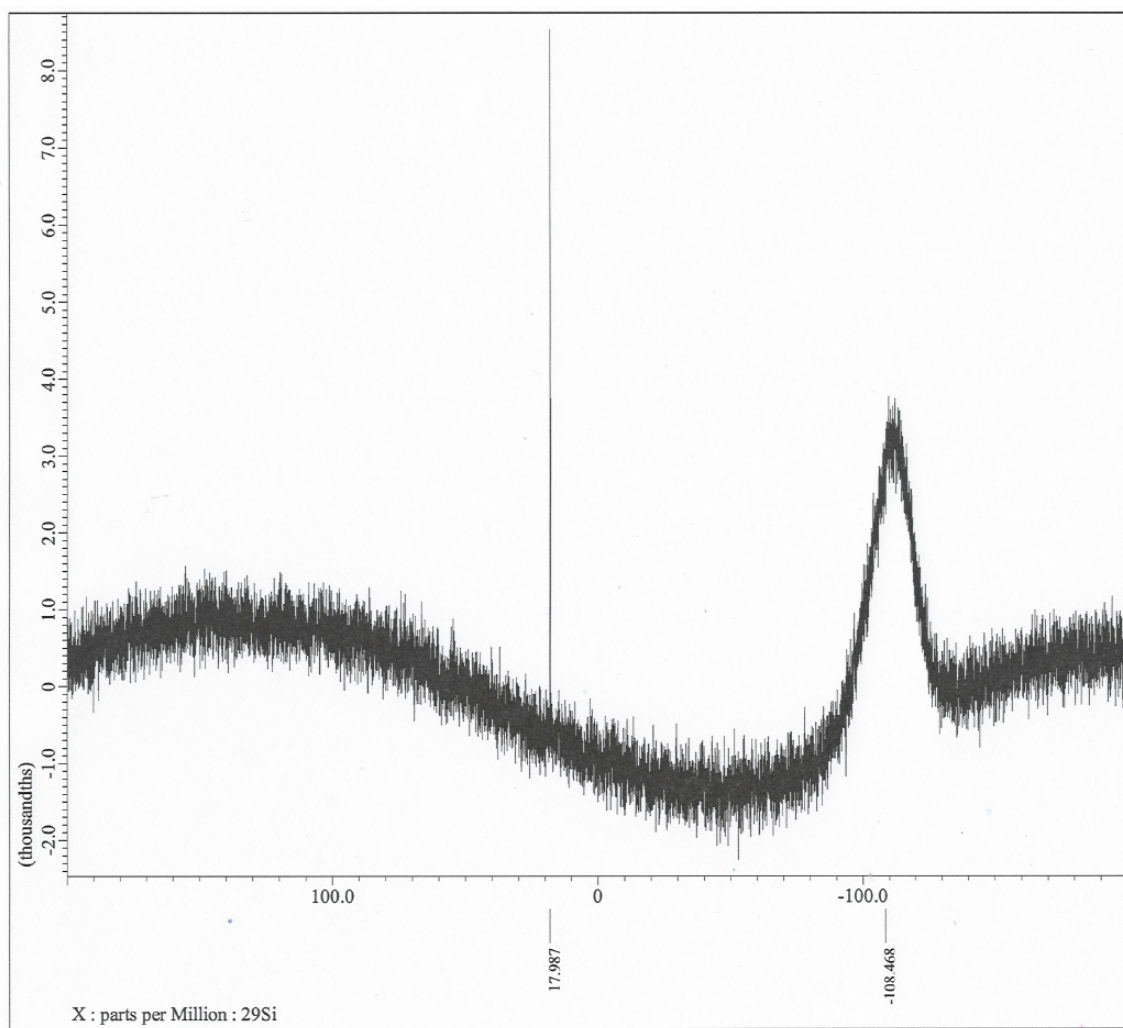


Figure S7. ^{29}Si NMR spectrum of **2a'** in C_6D_6 at 25 °C.

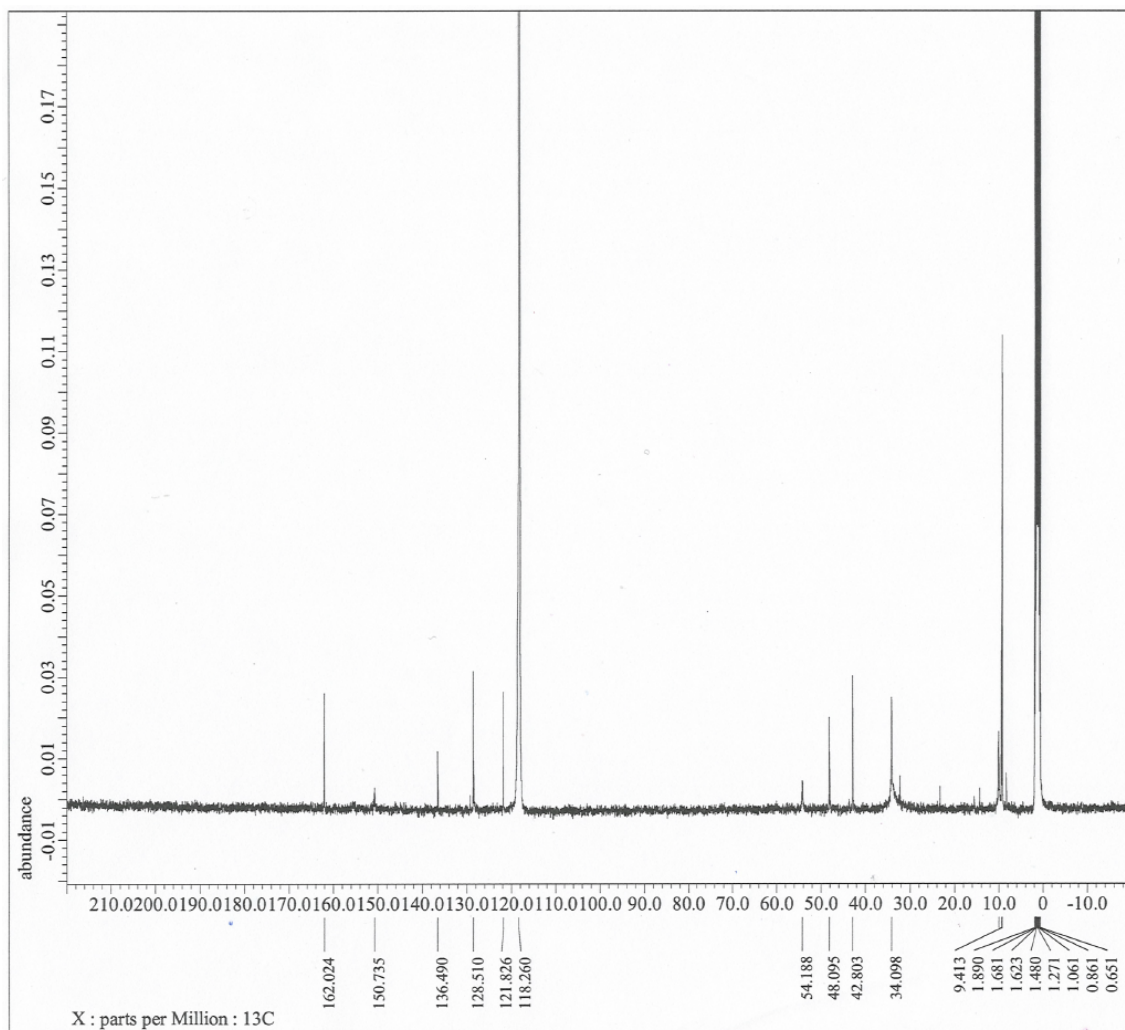


Figure S9. ¹³C NMR spectrum of **3a** in CD₃CN at 19 °C.

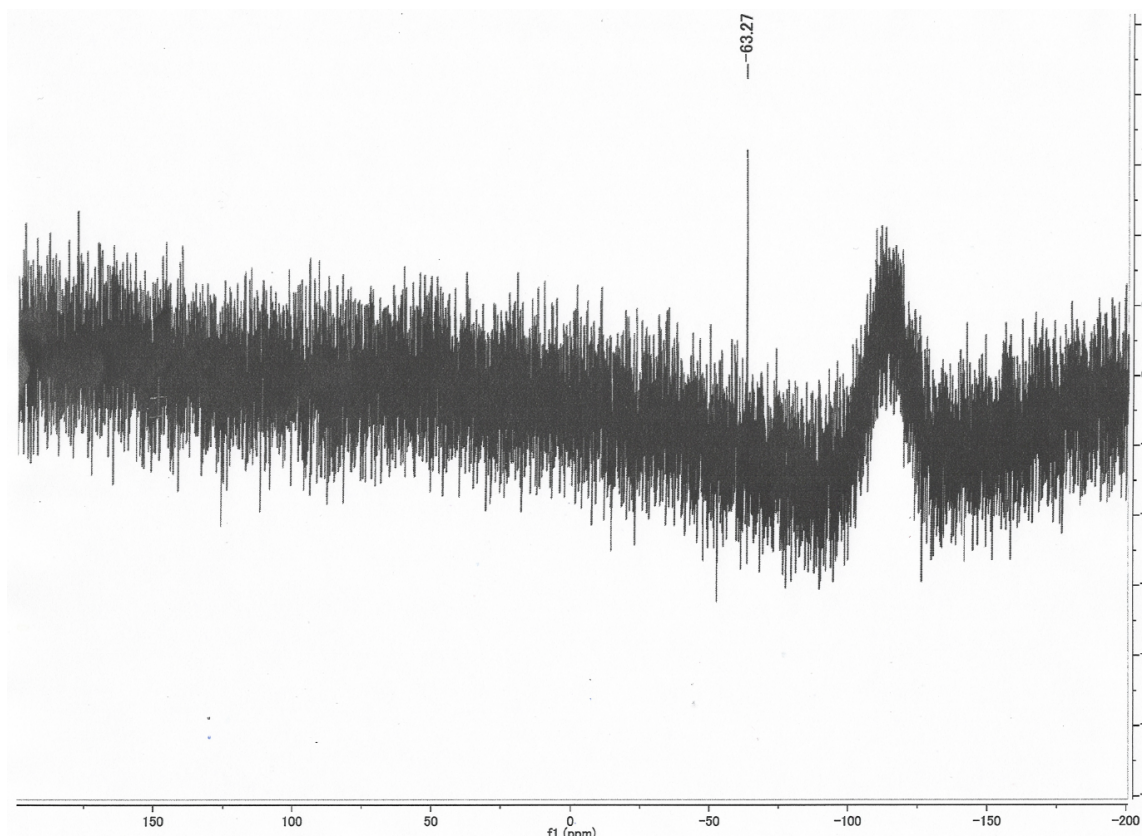


Figure S10. ^{29}Si NMR spectrum of **3a** in CD_3CN at 25 °C.