



STRUCTURAL
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Supporting information for article:

Iron pyrrole-based PNP pincer ligand complexes as catalyst precursors

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Iron Pyrrole-PNP Pincer Ligand Complexes as Catalyst Precursors

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1 NMR Spectra

1.1 NMR Spectra for $[(\text{PN}^{\text{pyr}}\text{P})\text{Fe}(\text{CO})(\text{PMe}_3)\text{Cl}]$ (**I**)

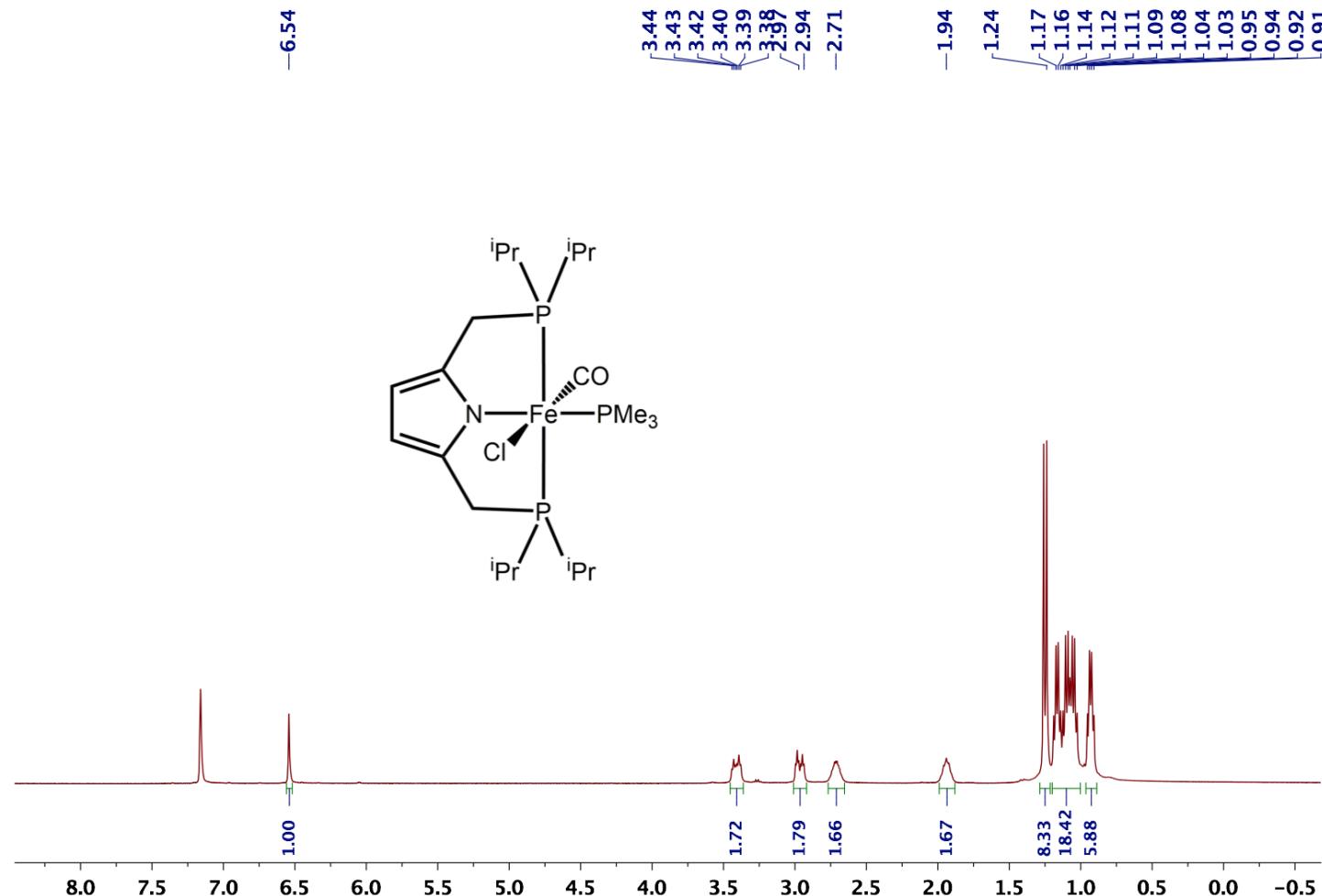


Figure S1. ^1H NMR spectrum for $[(\text{PN}^{\text{pyr}}\text{P})\text{Fe}(\text{CO})(\text{PMe}_3)\text{Cl}]$ (**I**).

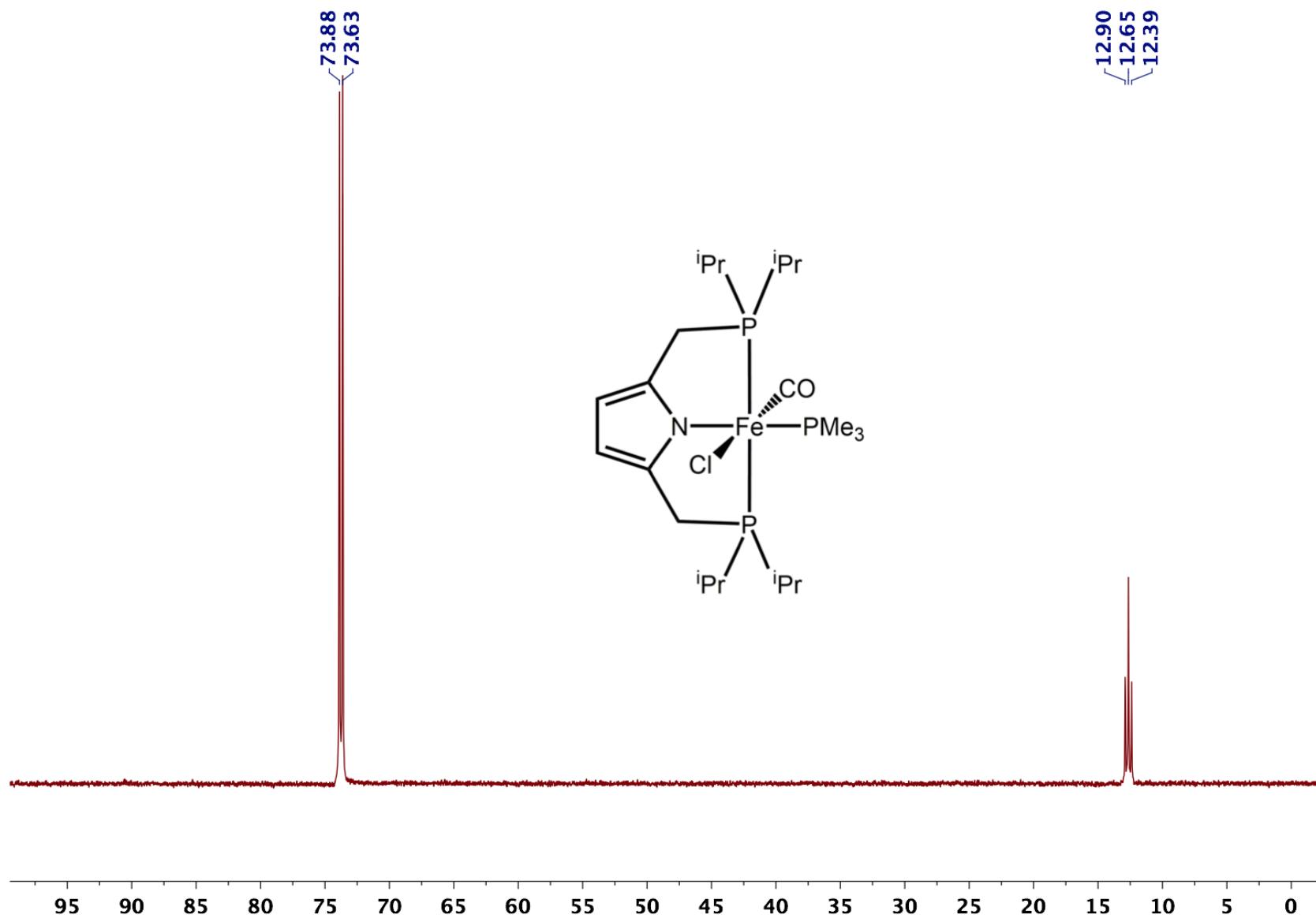


Figure S2. $^{31}\text{P}\{\text{H}\}$ NMR spectrum for $[(\text{PN}^{\text{pyr}}\text{P})\text{Fe}(\text{CO})(\text{PMe}_3)\text{Cl}]$ (**I**).

1.2 NMR Spectra for $[(PN^{pyr}P)Fe(py)Cl]$ (II)

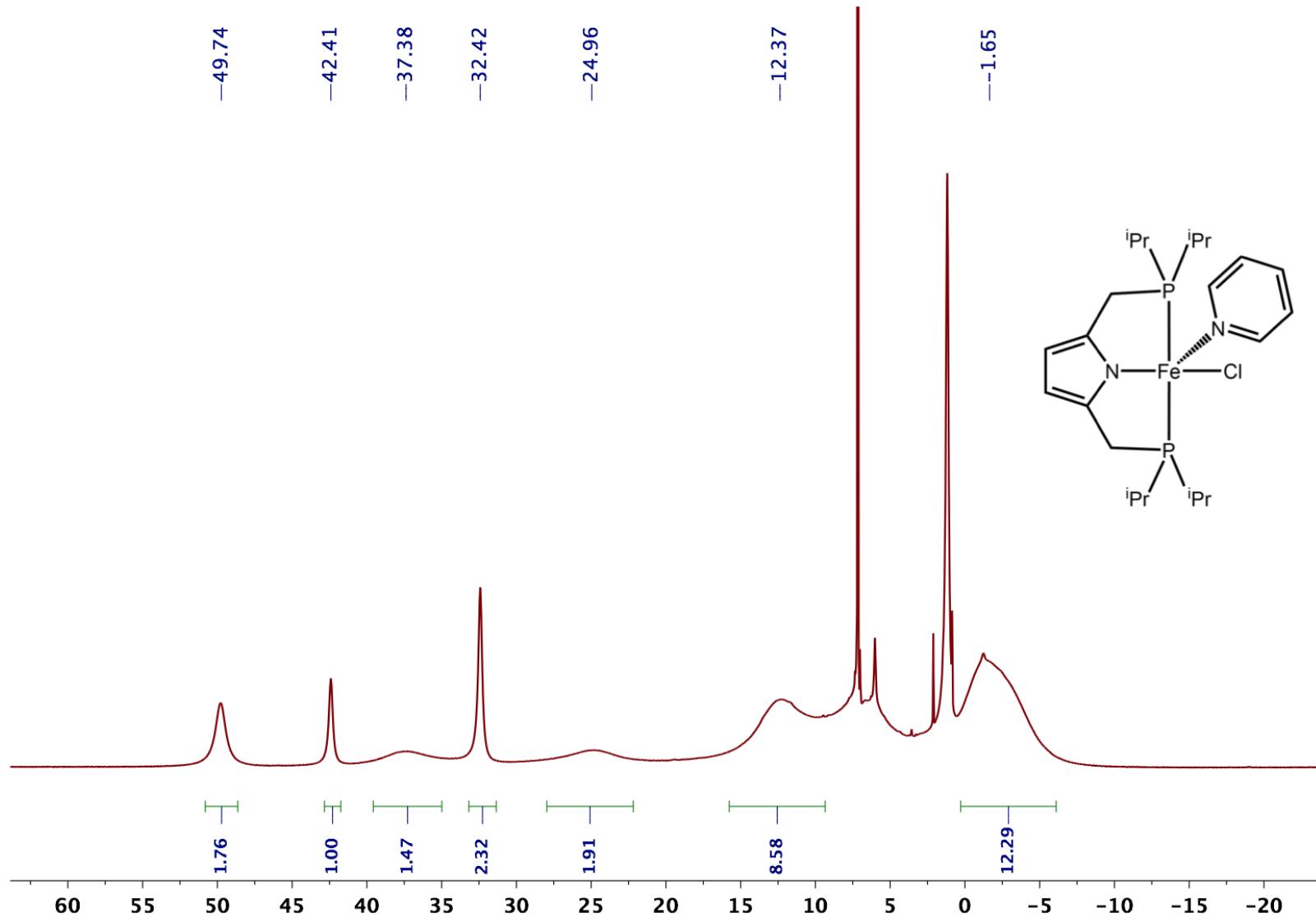


Figure S3. ^1H NMR spectrum for $[(PN^{pyr}P)Fe(py)Cl]$ (II).

1.3 NMR Spectra for $[(PN^{pyr}P)Fe(CO)_2Cl]$ (III)

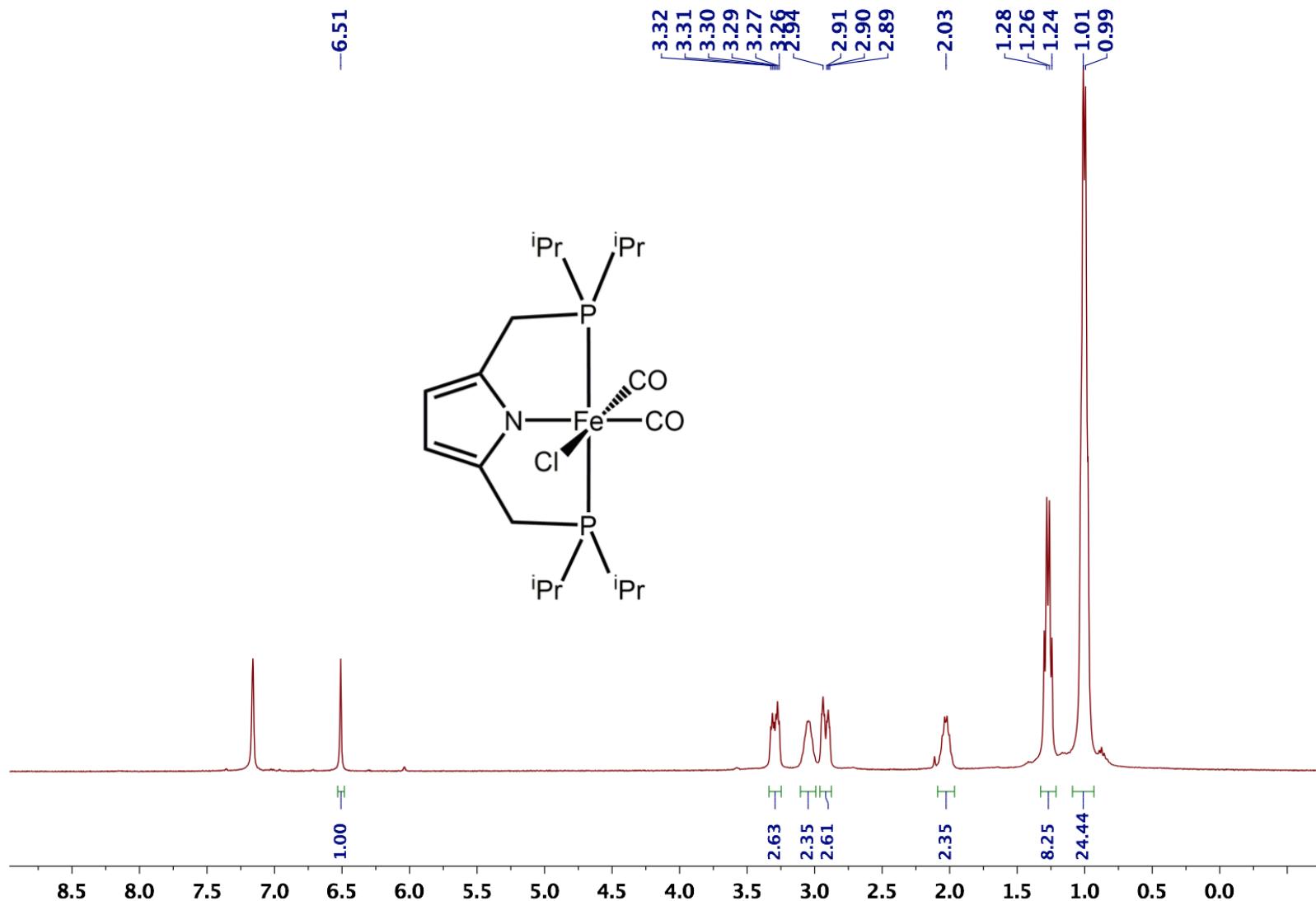


Figure S4. 1H NMR spectrum for $[(PN^{pyr}P)Fe(CO)_2Cl]$ (III).

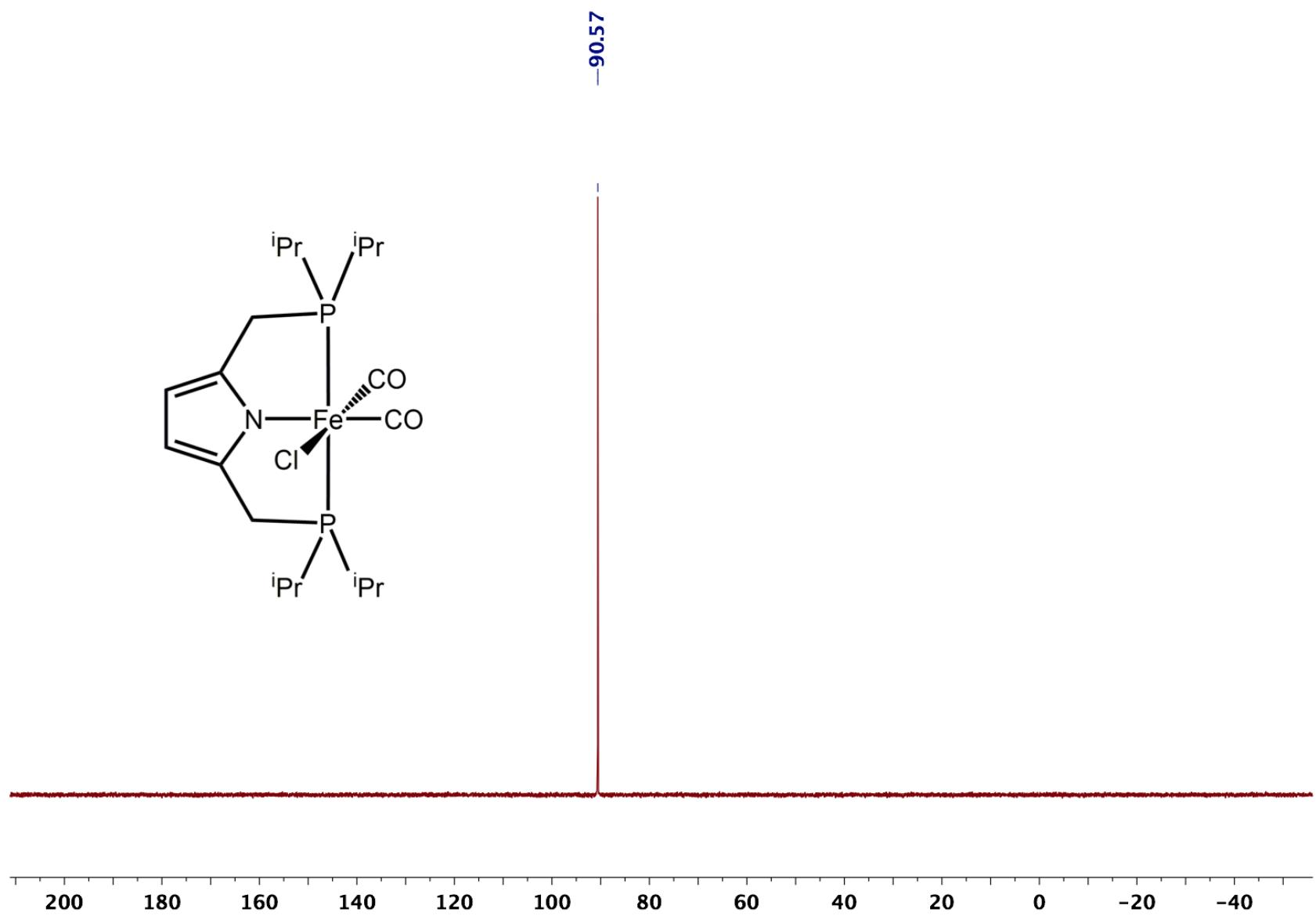


Figure S5. $^{31}\text{P}\{\text{H}\}$ NMR spectrum for $[(\text{PN}^{\text{pyr}}\text{P})\text{Fe}(\text{CO})_2\text{Cl}]$ (**III**).