

Figure a (extended figure 1): ^{31}P - $\{^1\text{H}\}$ NMR spectra (in CD_2Cl_2) of $[\text{Fe}_2(\text{CO})_4(\kappa^2\text{-dmpe})\{\mu\text{-pdt}\}]$ (**1**) at 174 and 298 K.

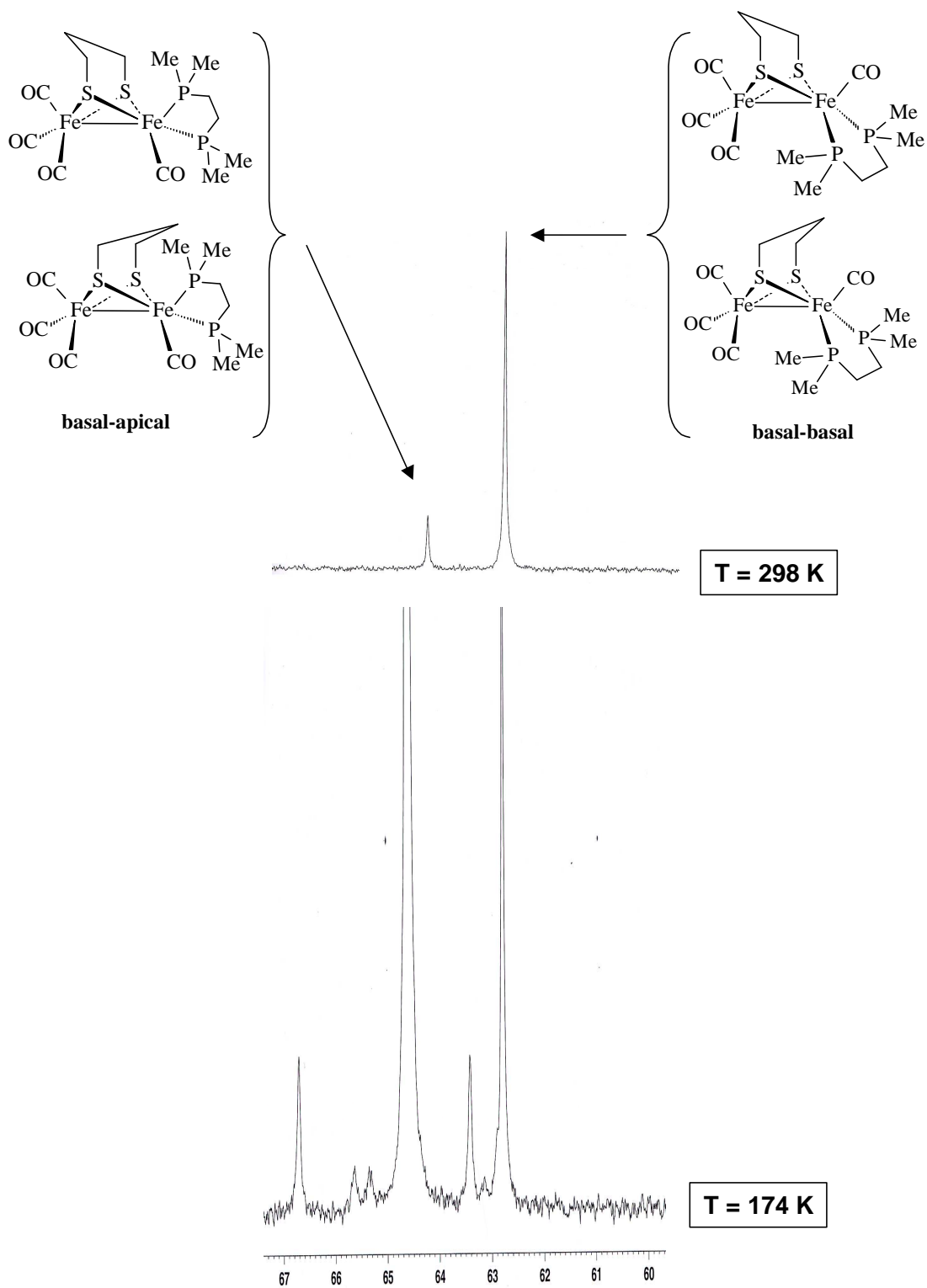


Figure b: $^{13}\text{C}\{-^1\text{H}\}$ NMR spectrum of **3** in the carbonyl region

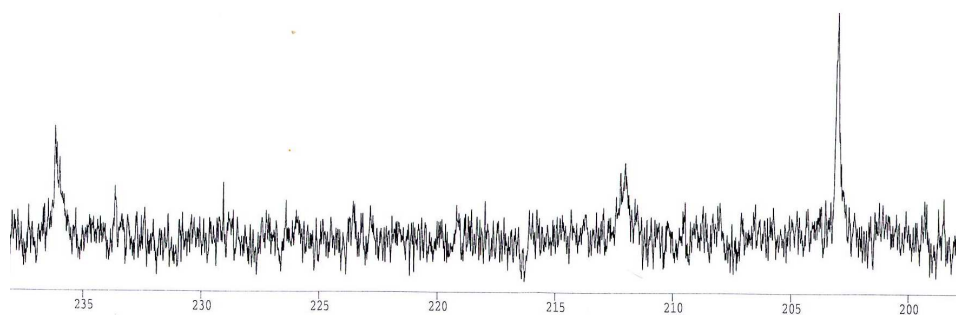


Figure c: $^1\text{H}\text{-}^{13}\text{C}$ HMBC 2D NMR spectrum of **3** (hydride region)

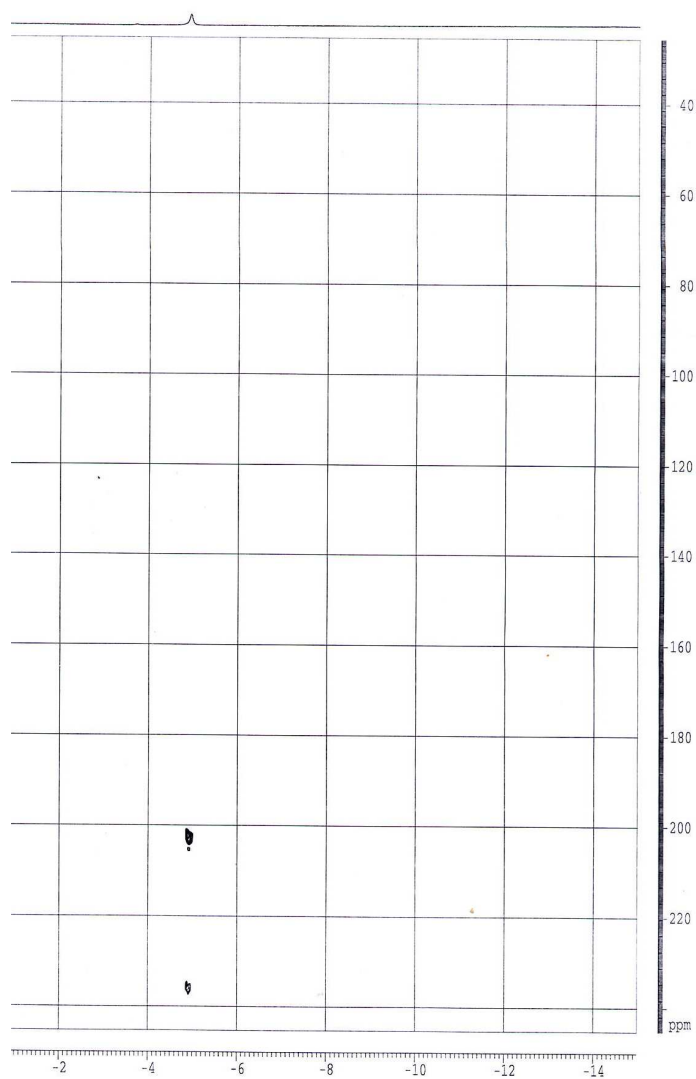


Figure d: Protonation of the symmetrical complex $[\text{Fe}_2(\text{CO})_4\{\text{P}(\text{OMe}_3)\}_2(\mu\text{-pdt})]$

