Electronic Supplementary Material (ESI) for Dalton Transactions

Supporting Information

Formation of an iron phosphino-borane complex by formal insertion of BH_3 into the Fe-P bond

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1. NMR Spectra

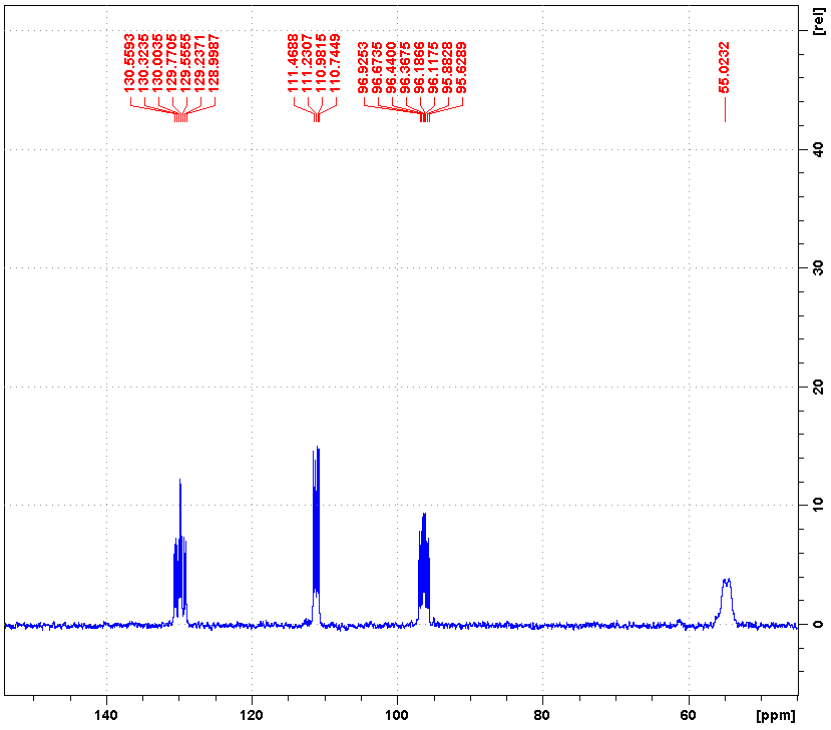

Figure S5. $^{31}P\{^{1}H\}$ NMR spectrum of compound **1** in C_6D_6.

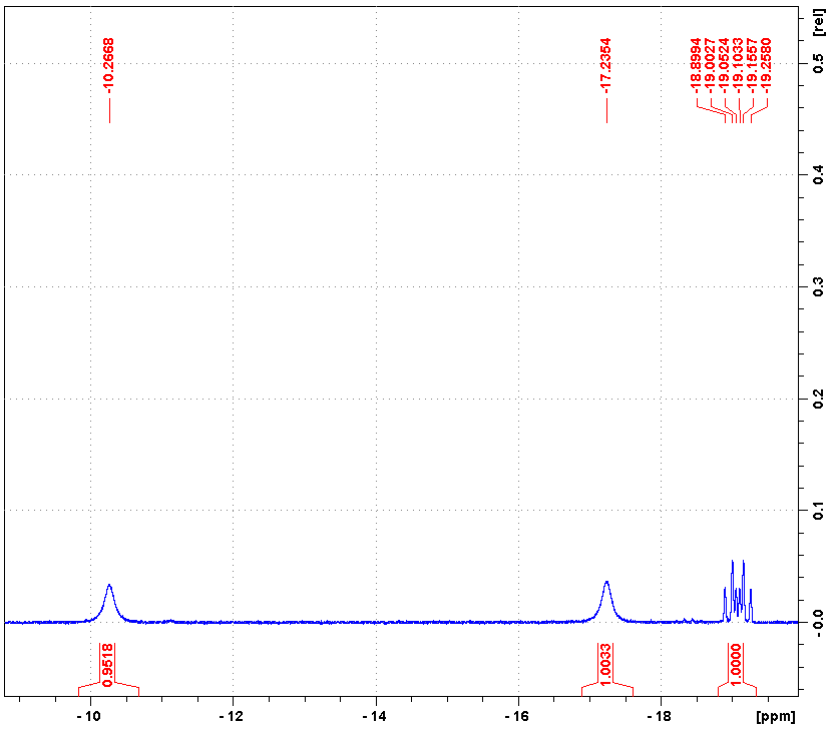

Figure S6. Hydride region in the ^{1}H NMR spectrum of compound **1** in C_6D_6.

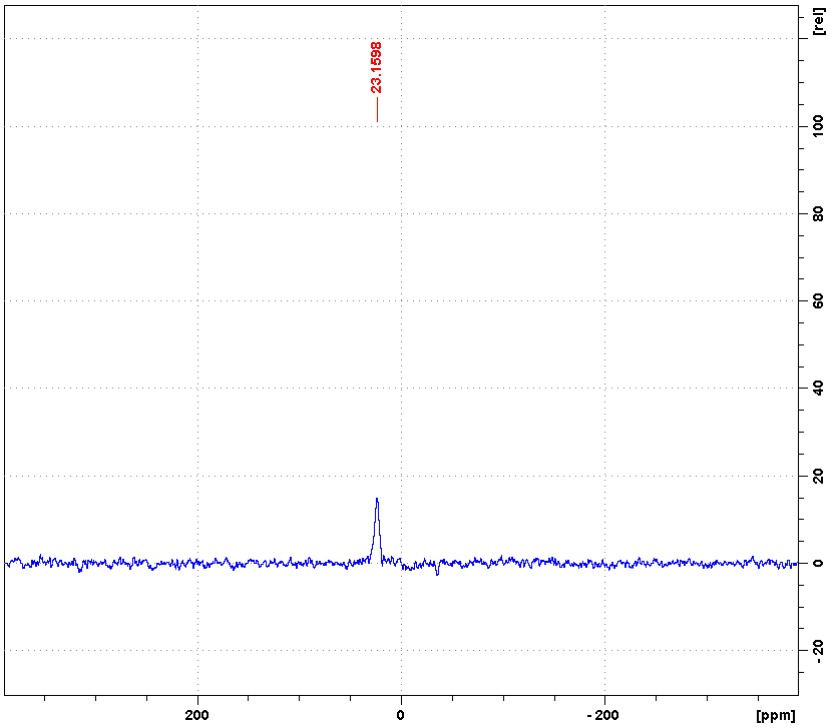

Figure S7. ^{11}B NMR spectrum of compound **1** in C_6D_6.

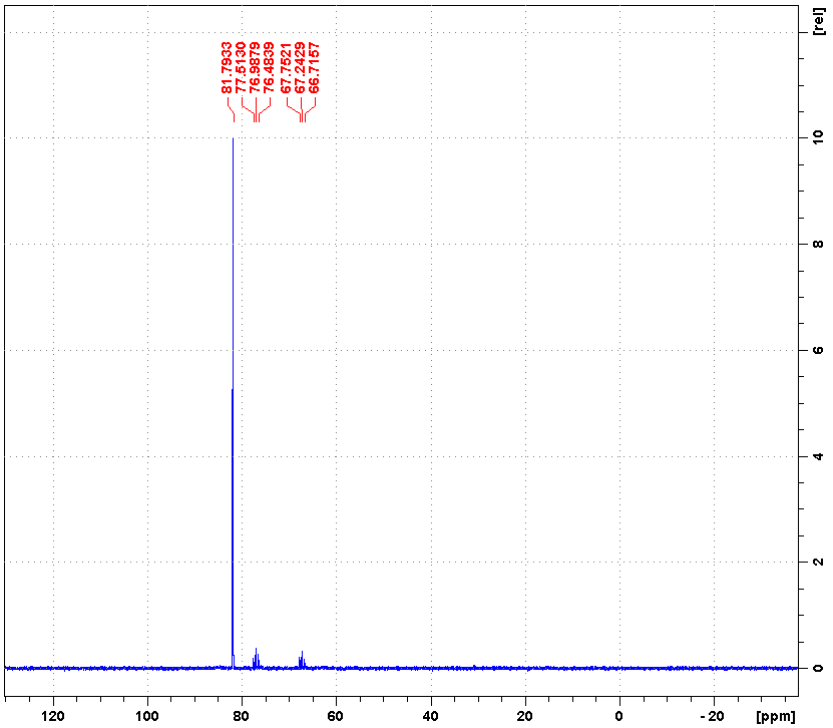

Figure S8. $^{31}P\{^1H\}$ NMR spectrum of the reaction mixture in MeCN/ EtOH 1:1 before addition of $NaBH_4$ (unlocked).

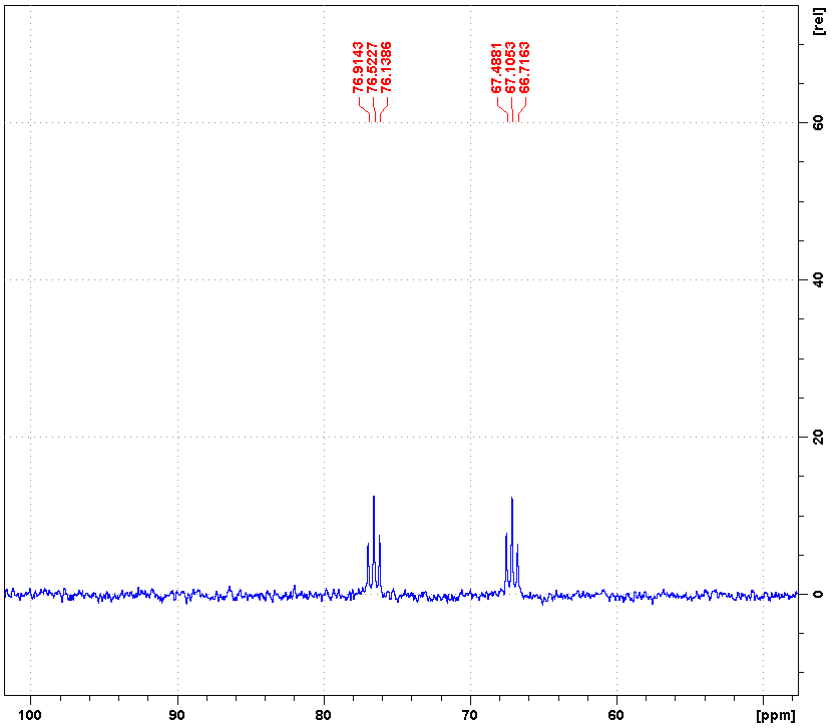

Figure S9. $^{31}P\{^{1}H\}$ NMR spectrum compound **2** in CD_3OD.

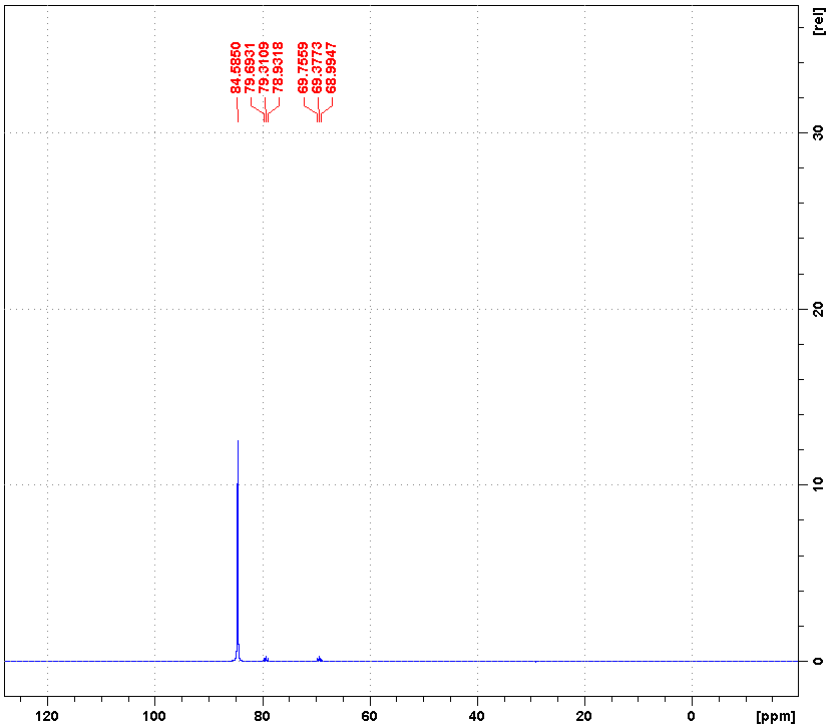

Figure S10. $^{31}P\{^{1}H\}$ NMR spectrum compound **3** in CD_3CN.

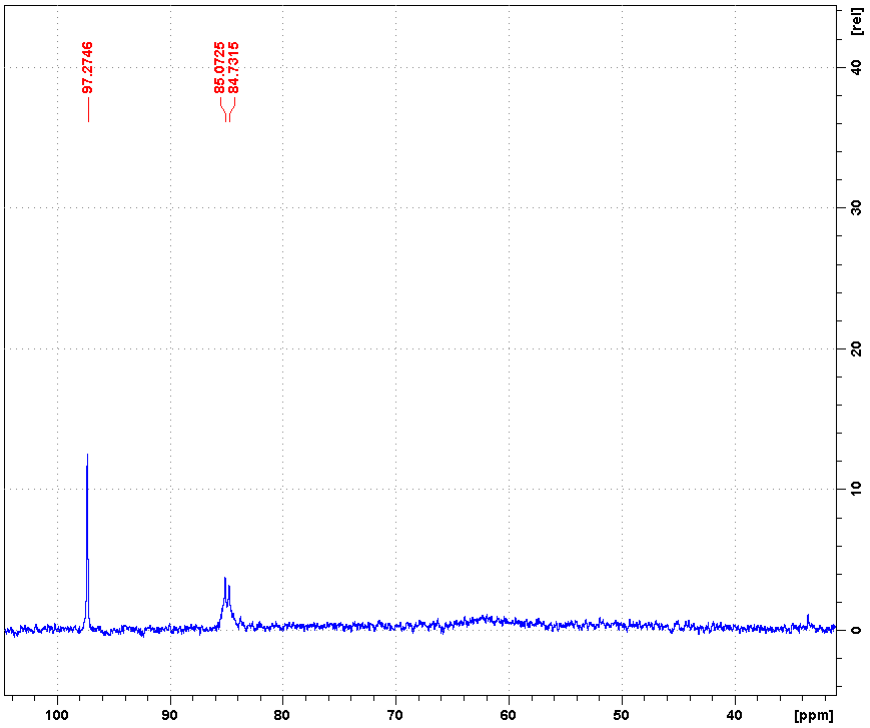

Figure S11. $^{31}P\{^{1}H\}$ NMR spectrum reaction mixture in CD_3CN after addition of $NaBH_4$.

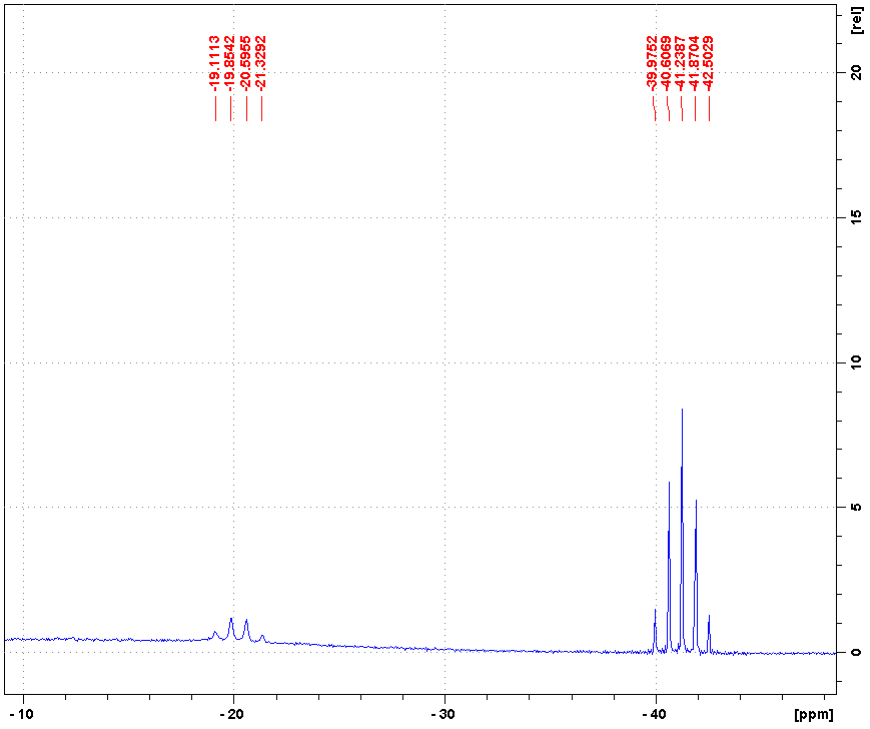

Figure S12. ^{11}B NMR spectrum reaction mixture in CD_3CN after addition of $NaBH_4$.