Electronic Supplementary Material (ESI) for Dalton Transactions.

Synthesis of a flexible macrocyclic tetraimidazolium salt – precursor for a tetracarbene ligand with metal dependent coordination modes

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Supporting Information

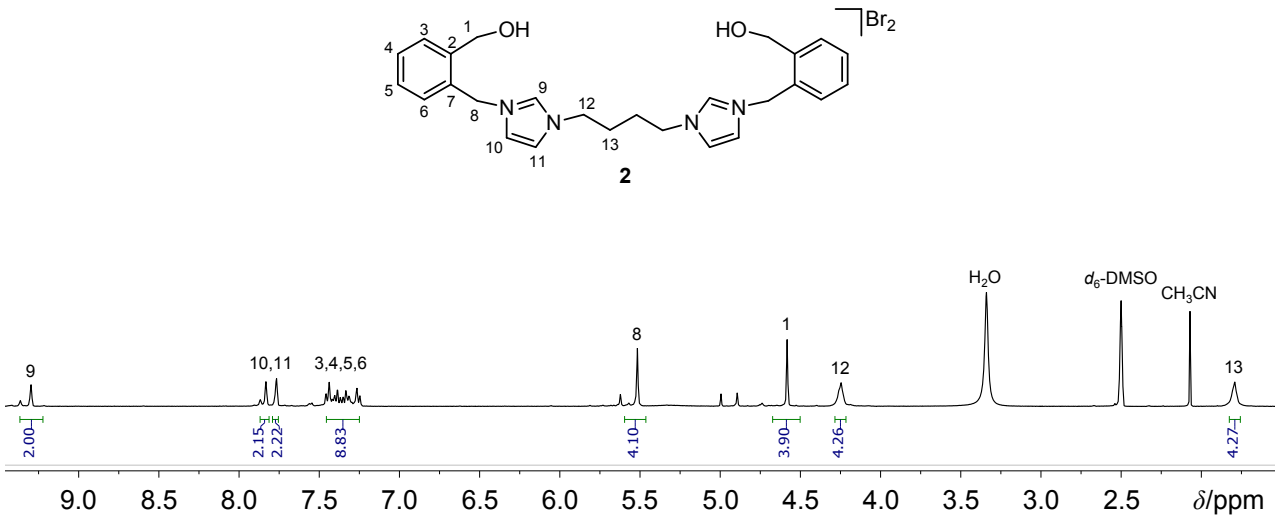

Figure S1. ^{1}H NMR spectrum of diimidazolium salt **2** in DMSO-d_6.

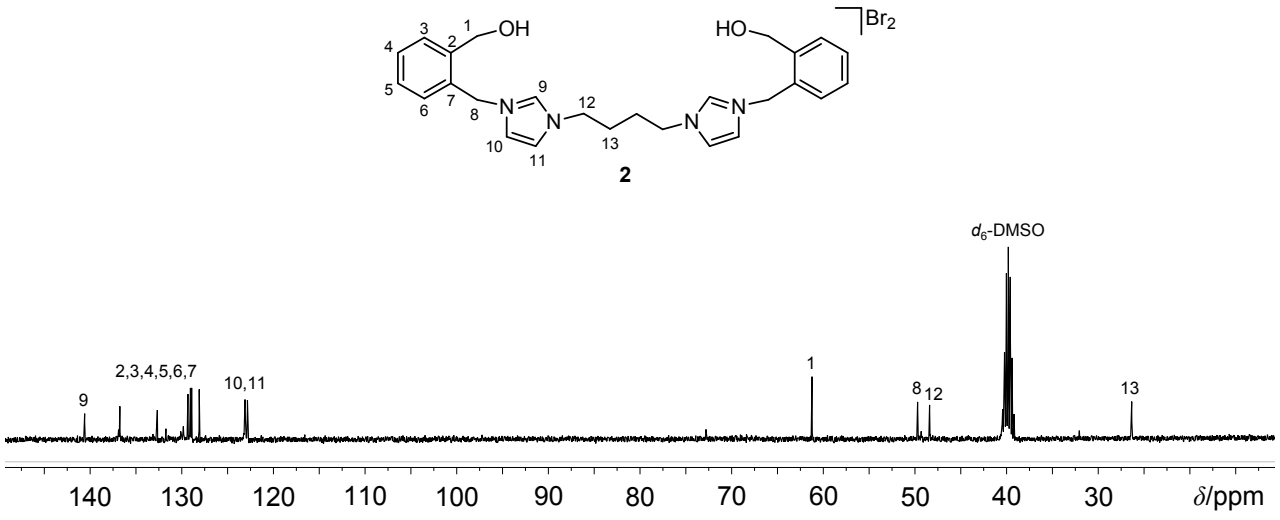

Figure S2. ^{13}C{^{1}H} NMR spectrum of diimidazolium salt **2** in DMSO-d_6.

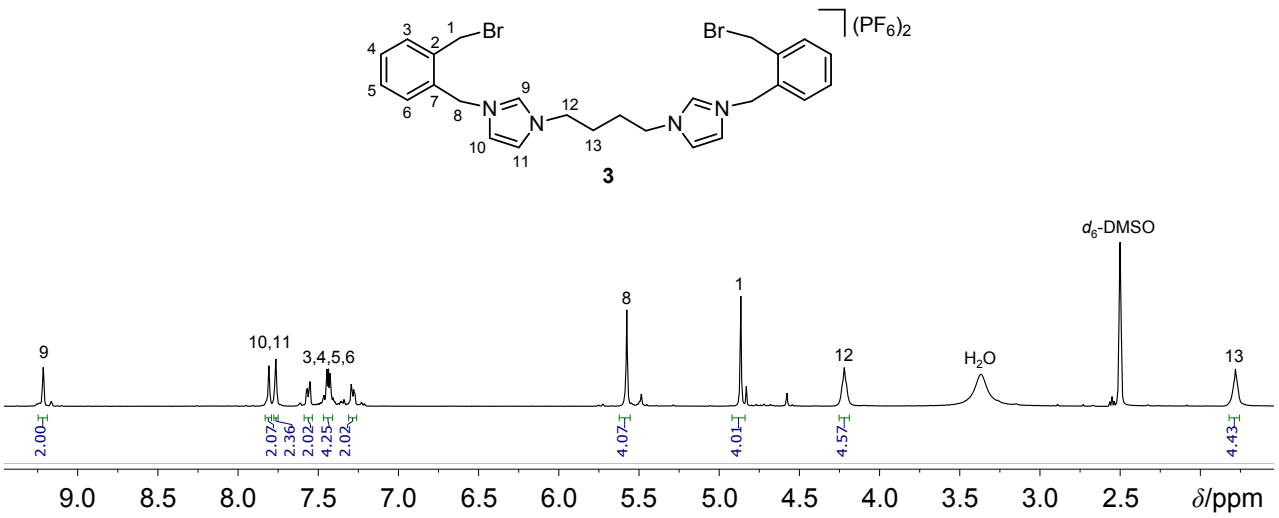

Figure S3. ^{1}H NMR spectrum of diimidazolium salt **3** in DMSO- d_6.

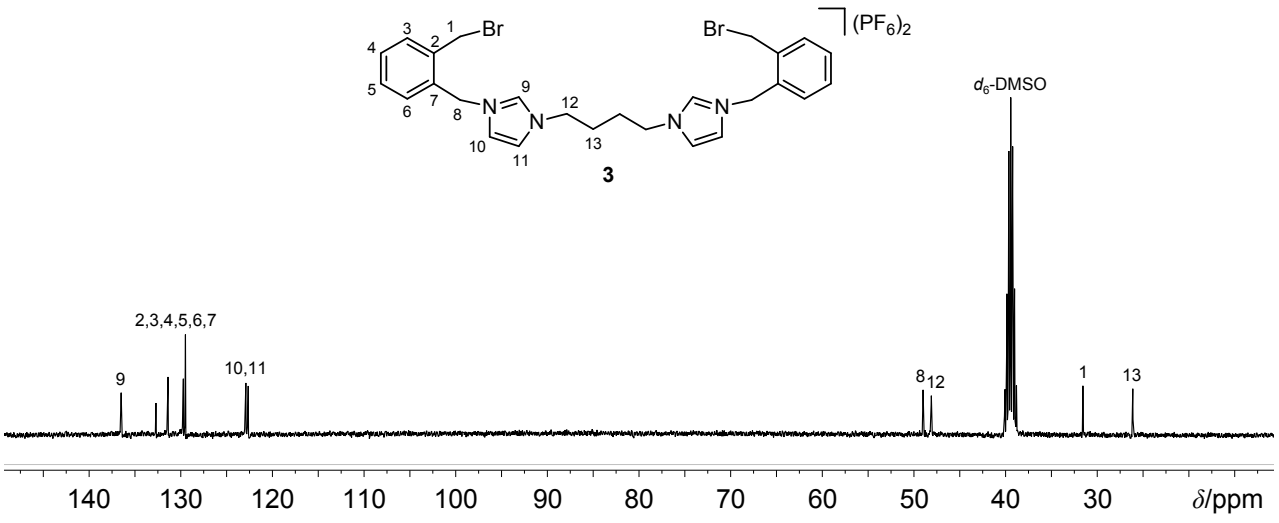

Figure S4. $^{13}C\{^{1}H\}$ NMR spectrum of diimidazolium salt **3** in DMSO- d_6O.

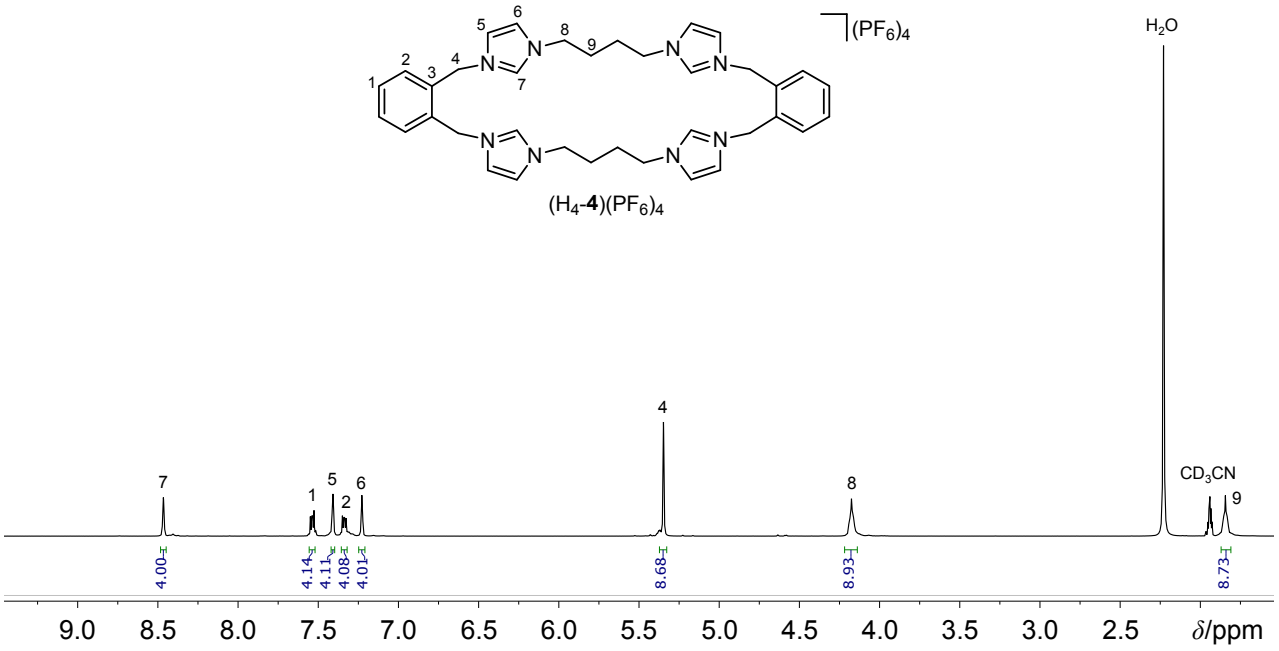

Figure S5. ^{1}H NMR spectrum of tetraimidazolium salt $(H_4\text{-}\mathbf{4})(PF_6)_4$ in CD_3CN.

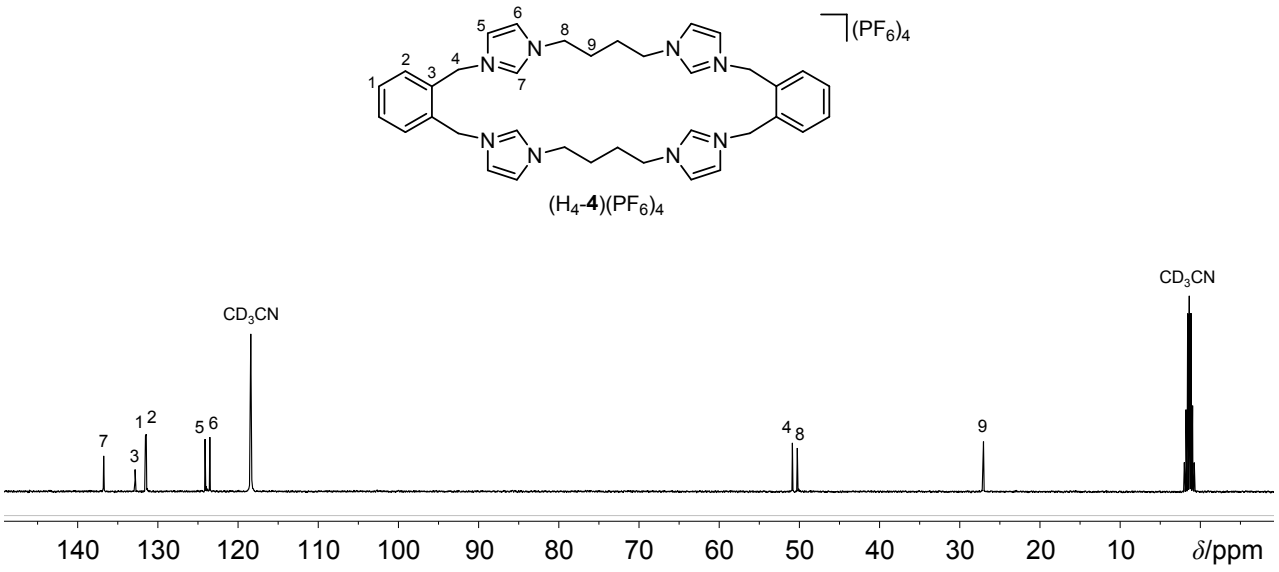

Figure S6. $^{13}C\{^{1}H\}$ NMR spectrum of tetraimidazolium salt $(H_4\text{-}\mathbf{4})(PF_6)_4$ in CD_3CN.

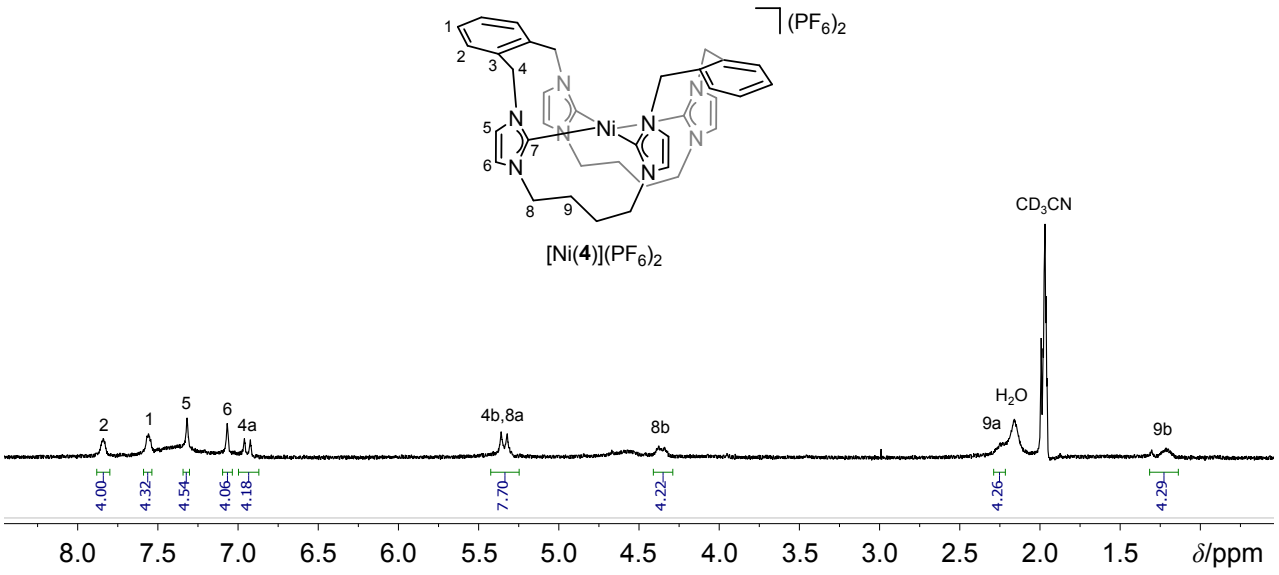

Figure S7. ^{1}H NMR spectrum of nickel(II) complex [Ni(**4**)]$(PF_6)_2$ in CD_3CN.

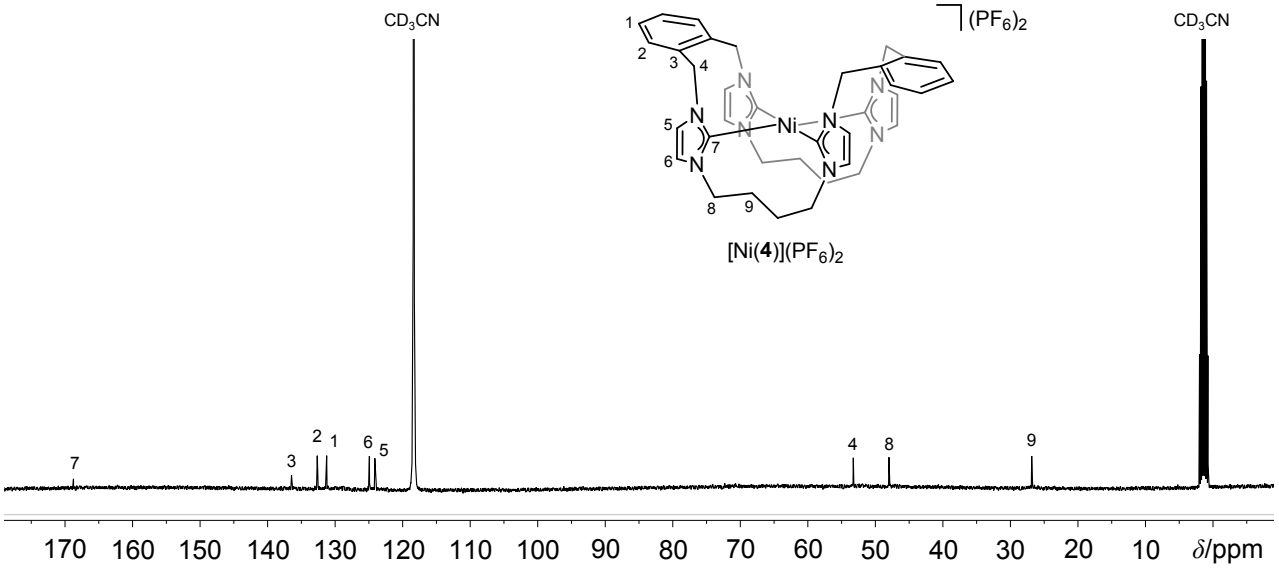

Figure S8. $^{13}C\{^{1}H\}$ NMR spectrum of nickel(II) complex [Ni(**4**)]$(PF_6)_2$ in CD_3CN.

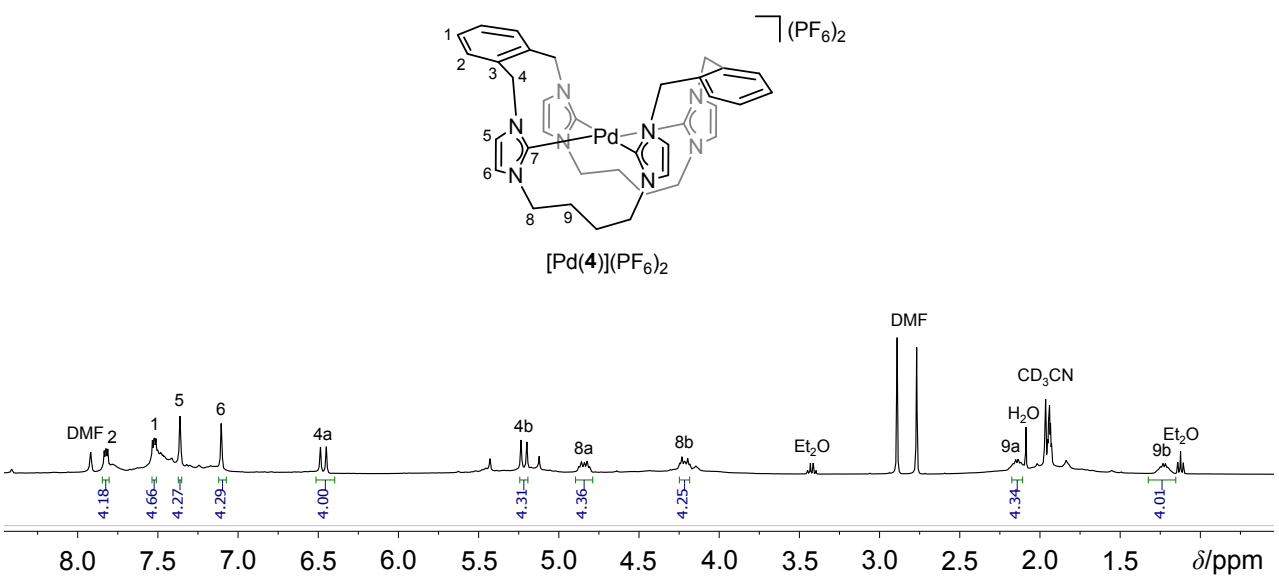

Figure S9. ^{1}H NMR spectrum of palladium(II) complex [Pd(**4**)]$(PF_6)_2$ in CD_3CN.

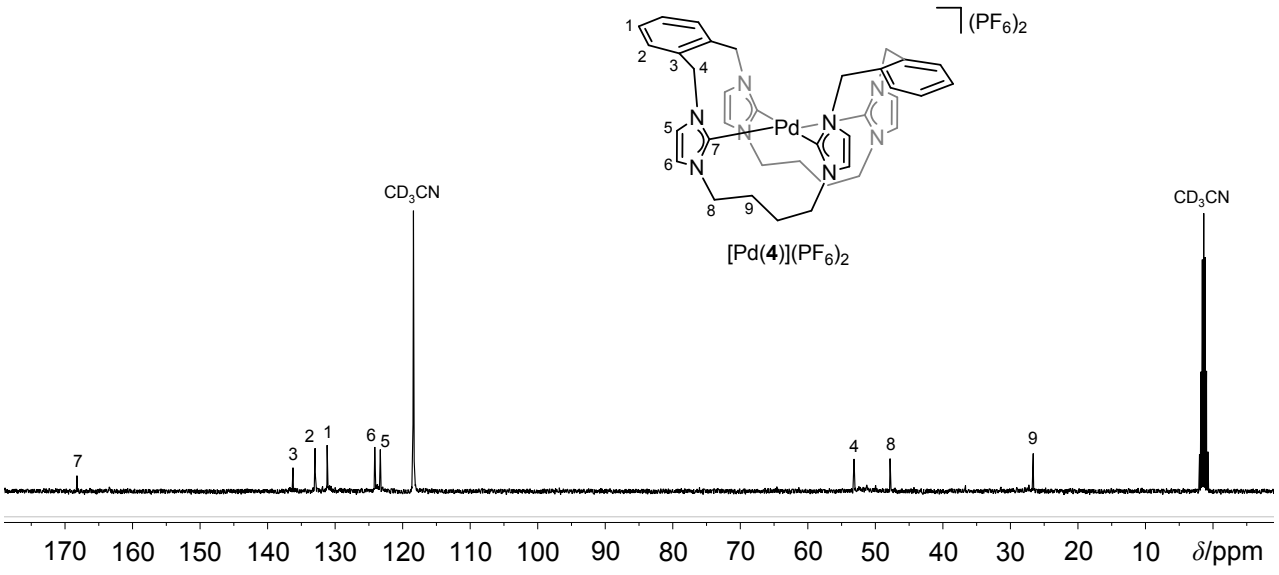

Figure S10. $^{13}C\{^{1}H\}$ NMR spectrum of palladium(II) complex [Pd(**4**)]$(PF_6)_2$ in CD_3CN.

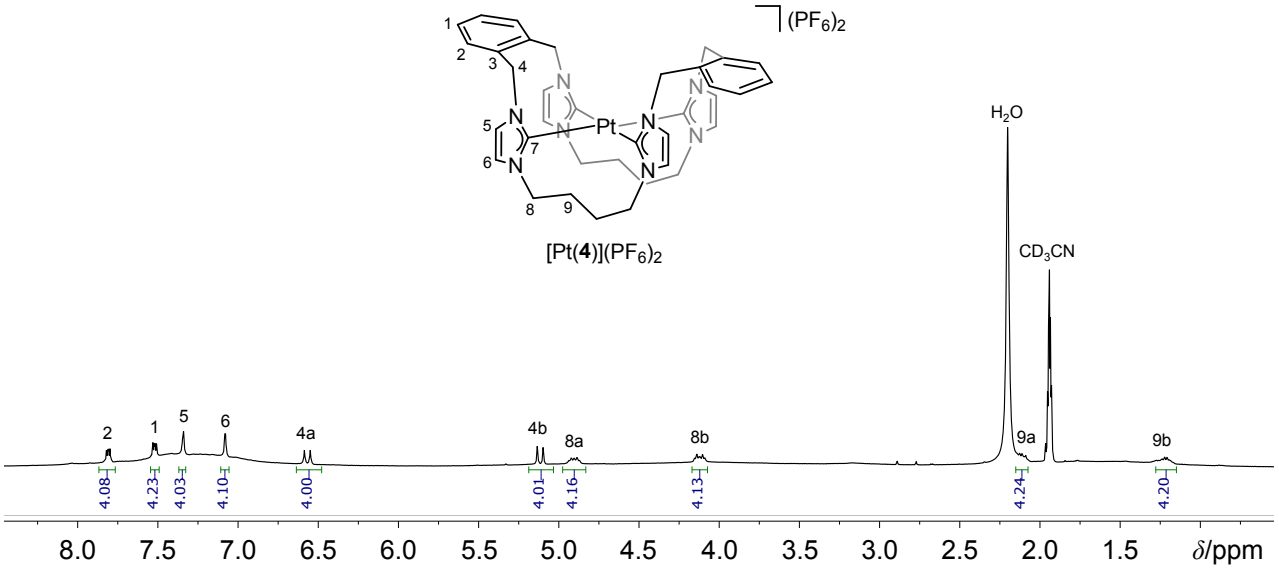

Figure S11. ^{1}H NMR spectrum of platinum(II) complex [Pt(**4**)]$(PF_6)_2$ in CD_3CN.

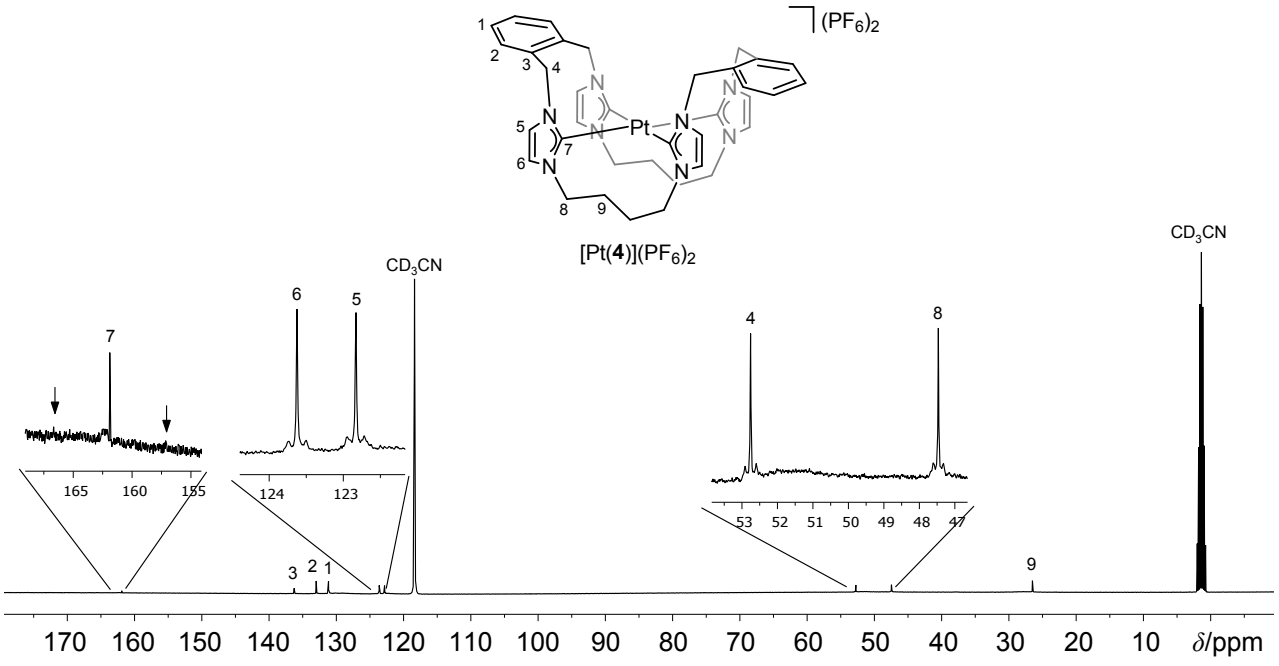

Figure S12. $^{13}C\{^{1}H\}$ NMR spectrum of platinum(II) complex [Pt(**4**)]$(PF_6)_2$ in CD_3CN.

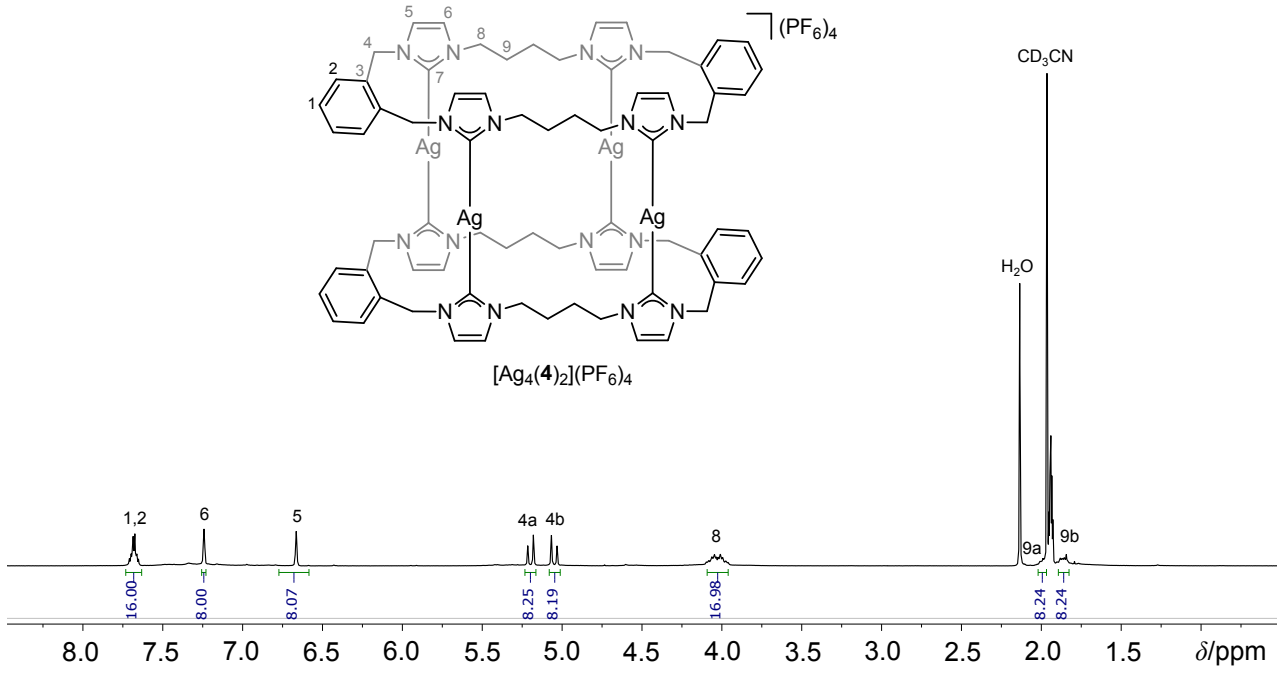

Figure S13. ^{1}H NMR spectrum of silver(I) complex $[Ag_4(\mathbf{4})_2](PF_6)_4$ in CD_3CN.

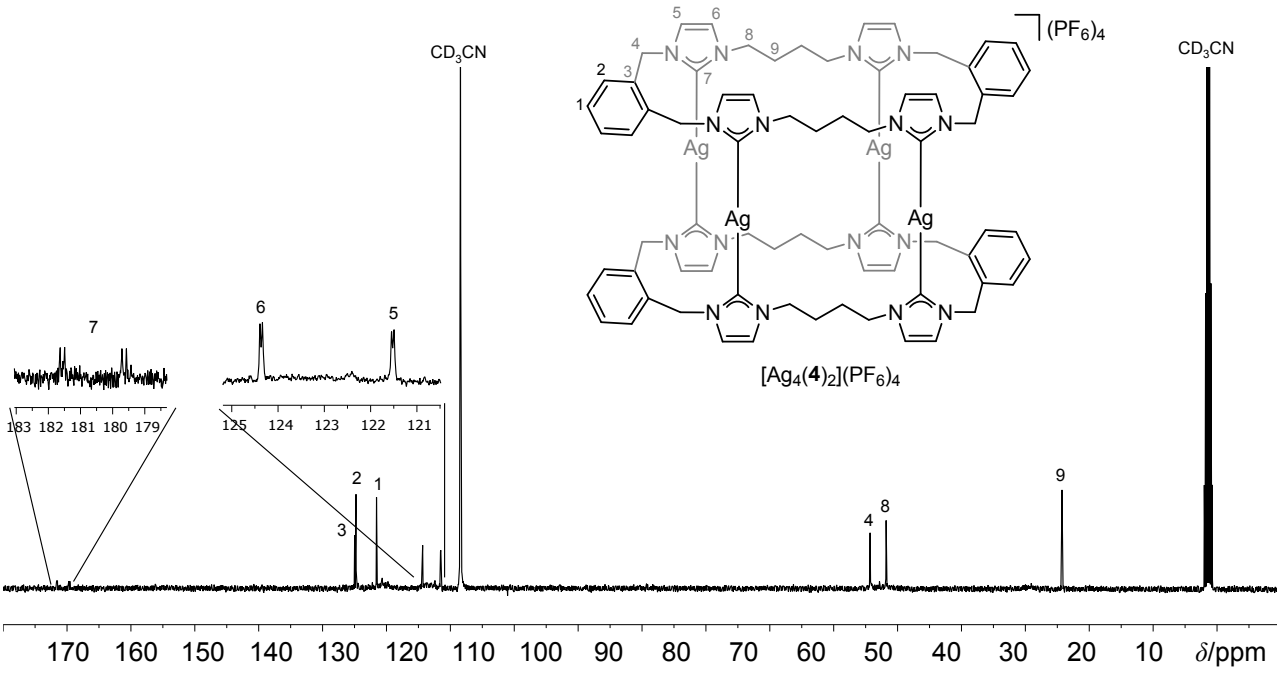

Figure S14. $^{13}C\{^{1}H\}$ NMR spectrum of silver(I) complex $[Ag_4(\mathbf{4})_2](PF_6)_4$ in CD_3CN.