Pd(II)-complexes of a novel pyridinone based tripeptide conjugate: A solution and solid state study

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Supporting information

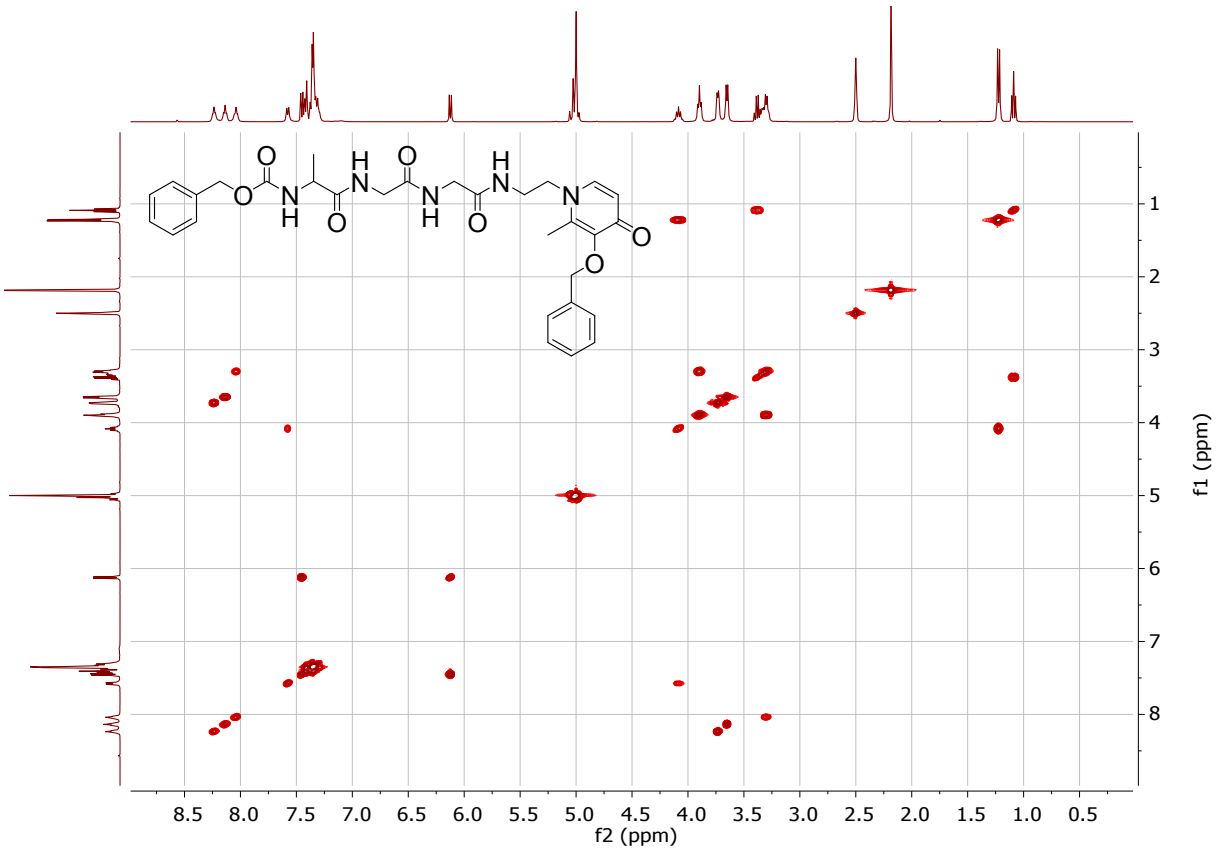

Figure S1. ^{1}H-^{1}H COSY spectrum of **1** in DMSO-d_6

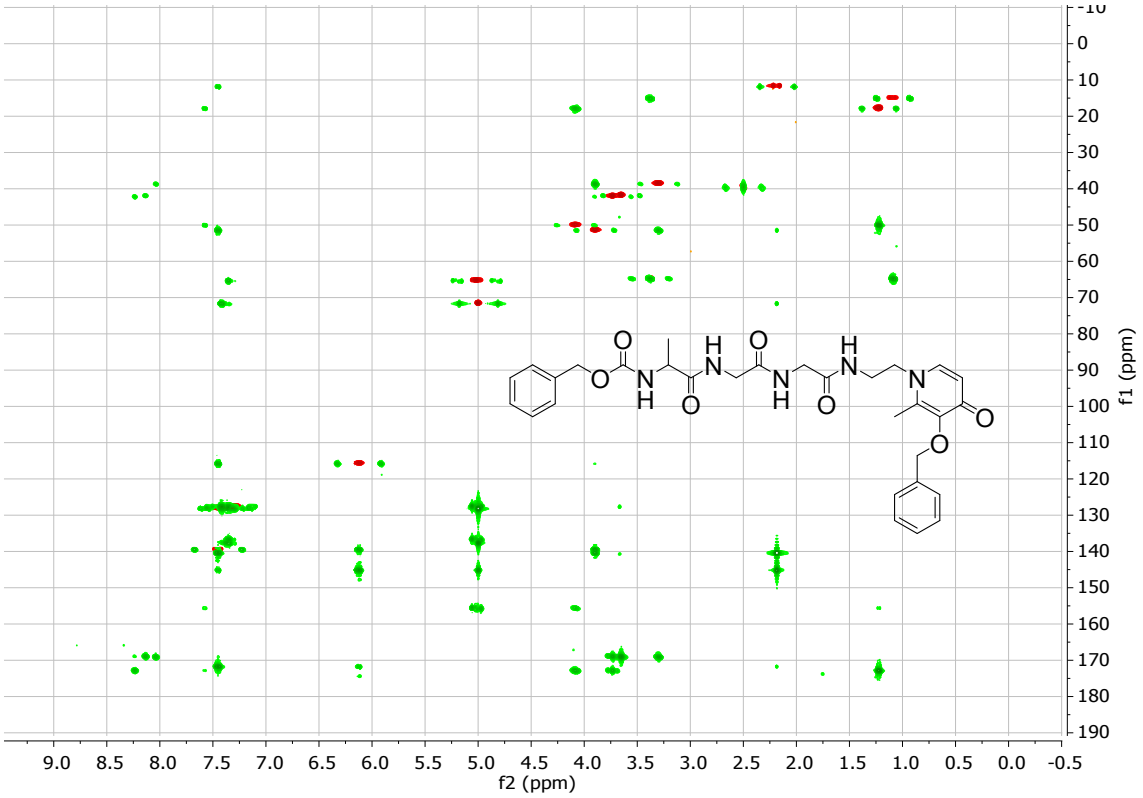

Figure S2. ^{1}H-^{13}C HSQC (red) and ^{1}H-^{13}C HMBC (green) spectra of **1** in DMSO-d_6

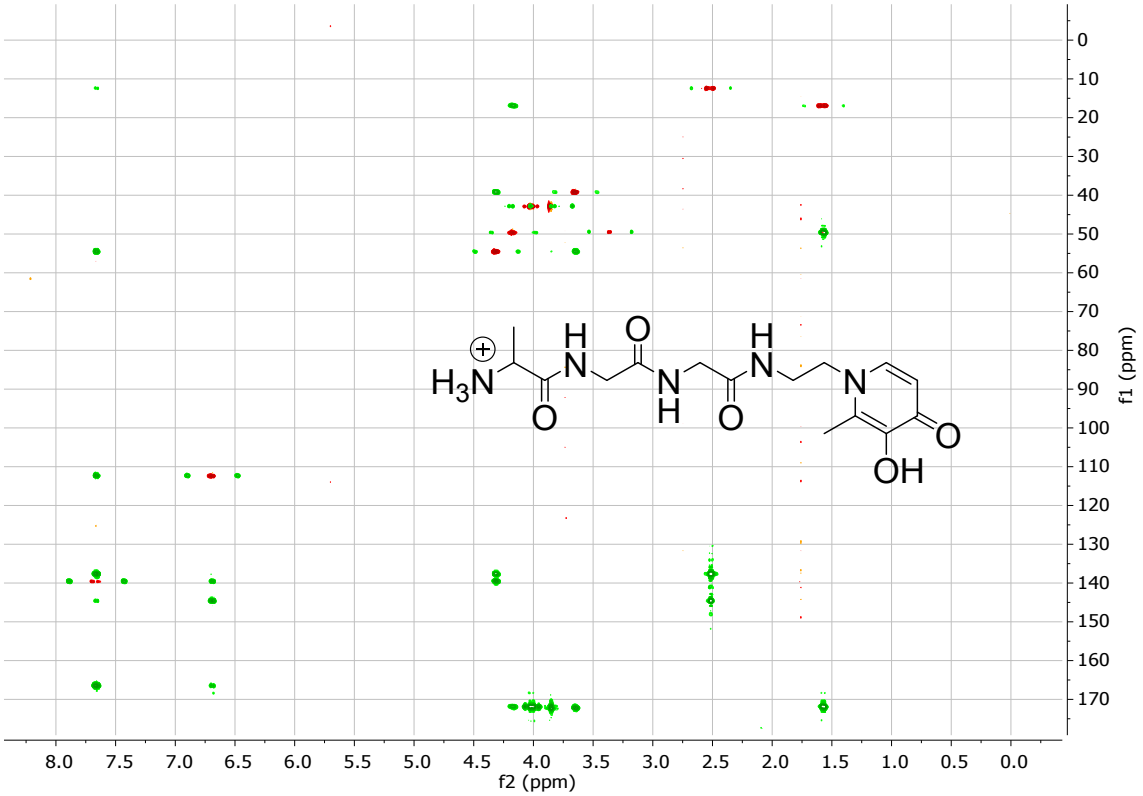

Figure S3. ^{1}H-^{13}C HSQC (red) and ^{1}H-^{13}C HMBC (green) spectra of **2** in D_2O

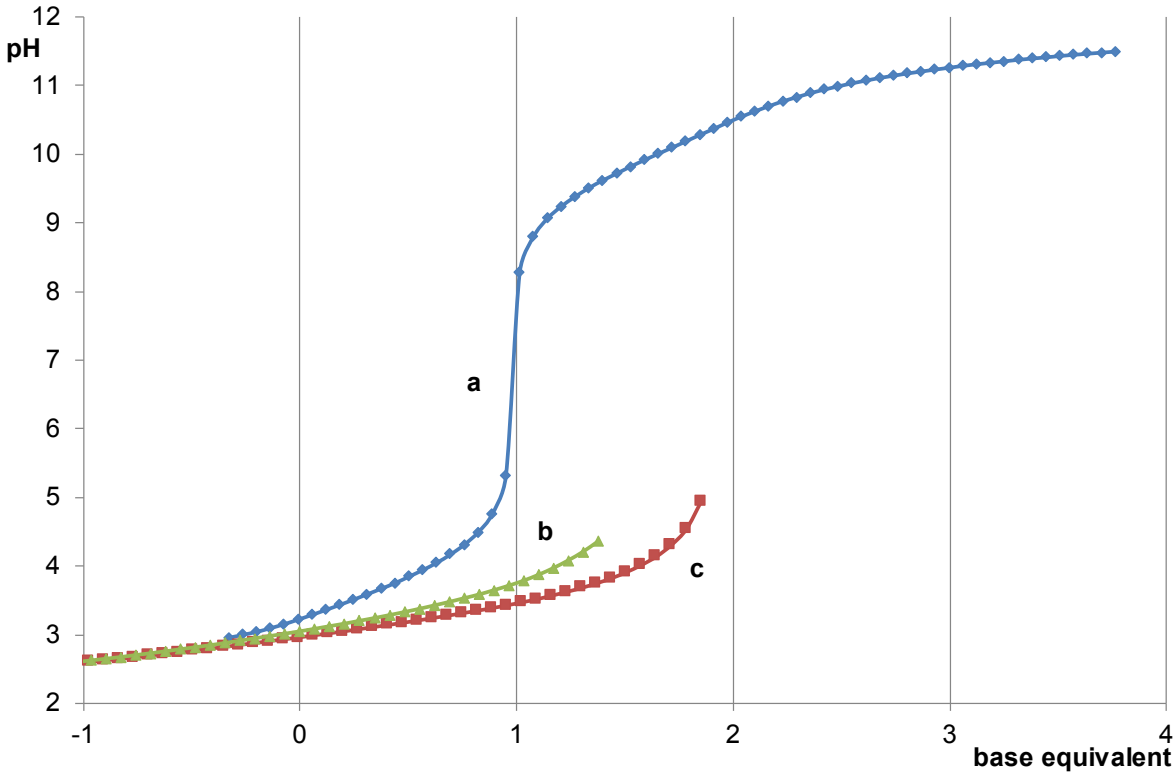

Figure S4. Representative titration curves of the H^+–L1 (a) system and the Pd(II)–L1 systems at 1:2 (b) and 1:1 (c) metal ion to ligand ratios (c_{L1} = 2.80 mM).

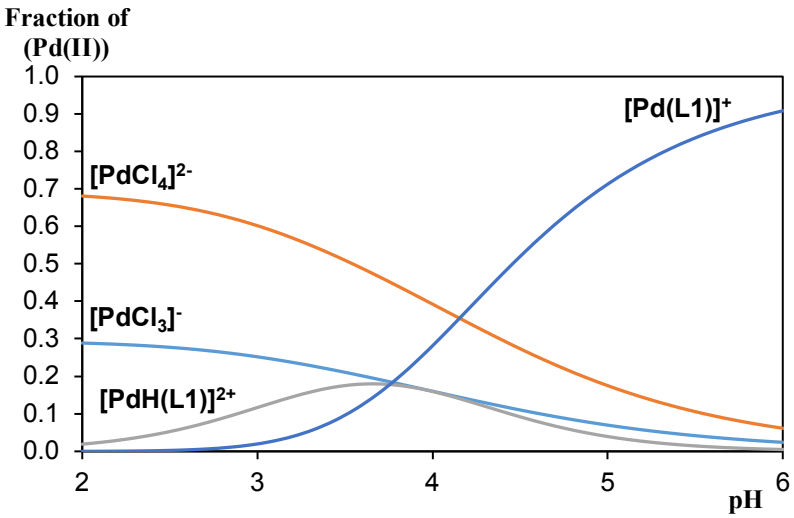

Figure S5. Concentration distribution curves for Pd(II)–L1 system at 1:1 metal ion to ligand ratio (c_{L1} = 2.80 mM)

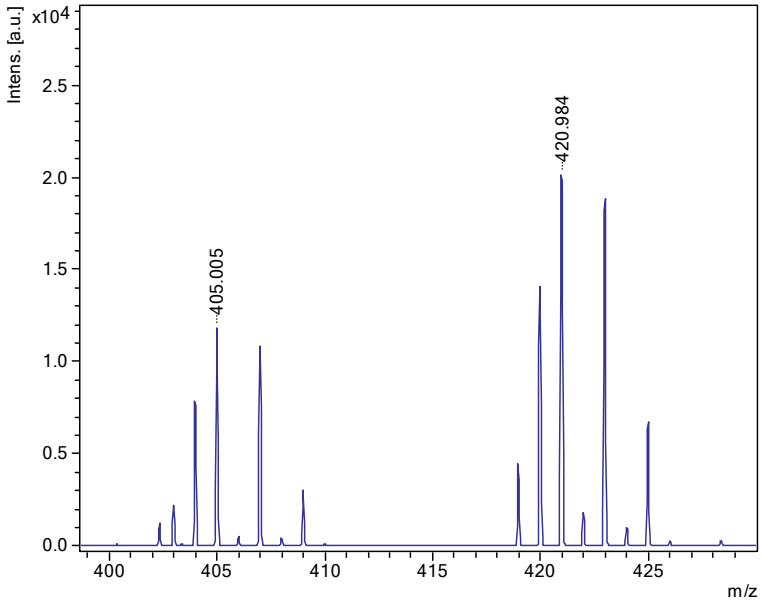

Figure S6. MALDI-MS spectum of the precipitate odtained during the titration of Pd(II)L2 = 1:2 system

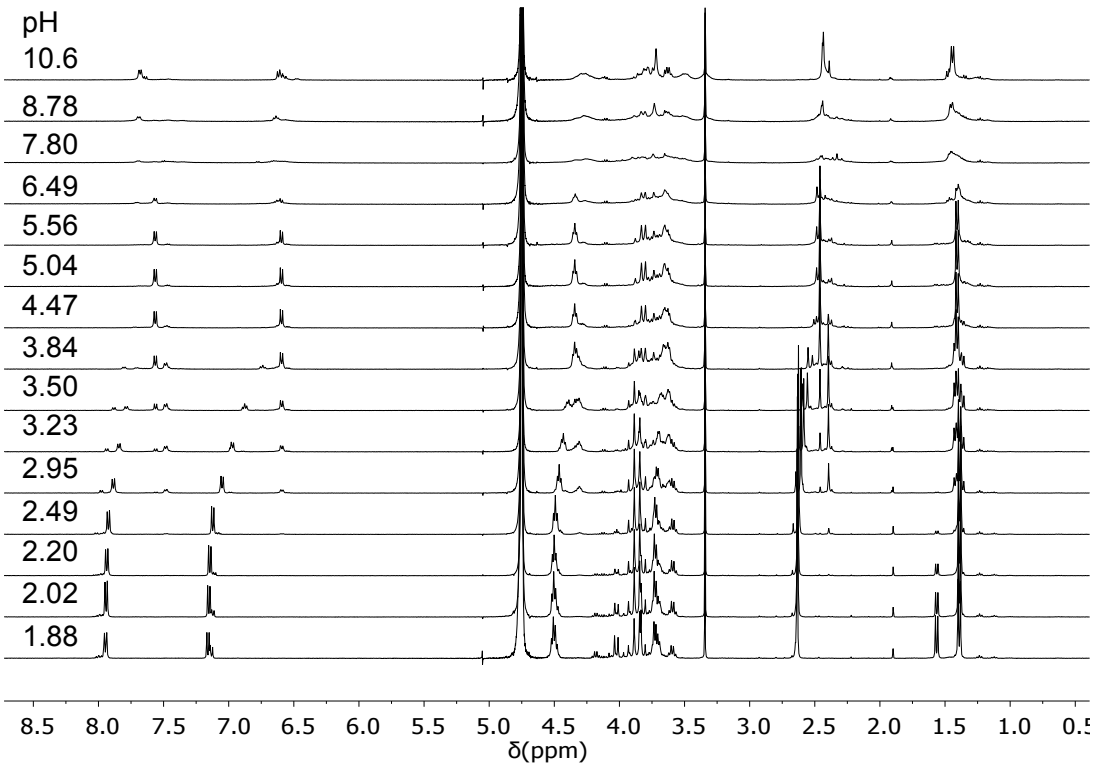

Figure S7. pH-dependent ^{1}H NMR spectra of the 2:1 Pd(II)–L2 sample, c_{L2} = 5.0 mM.

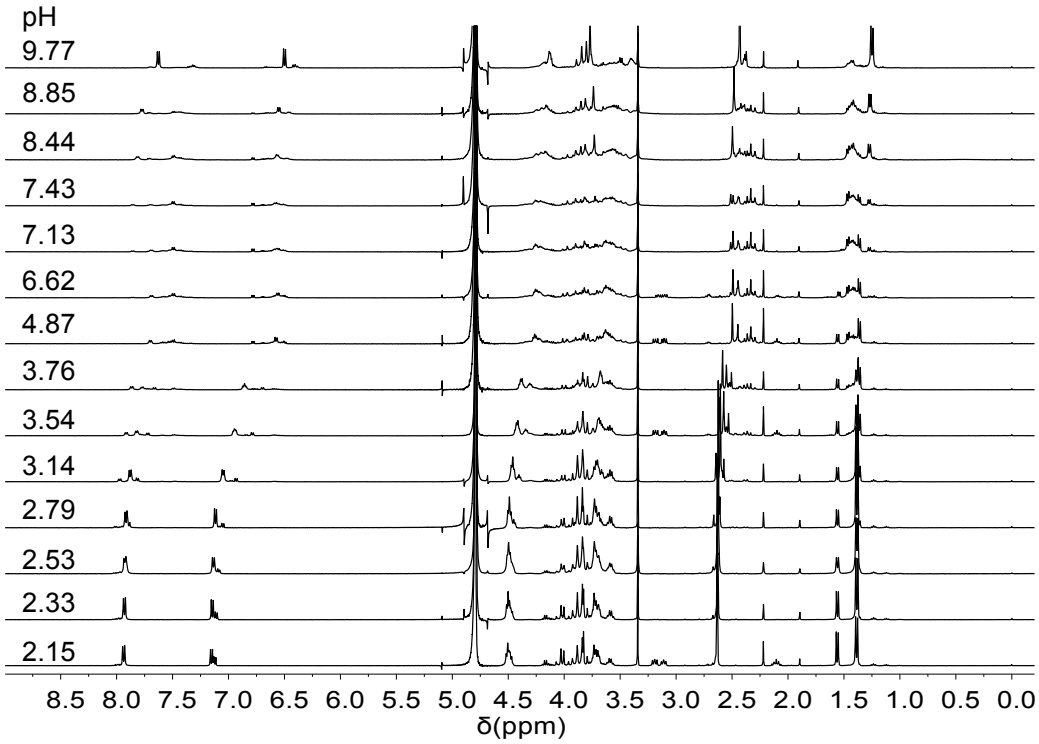

Figure S8. pH-dependent ^{1}H NMR spectra of the 1:1 Pd(II)–L2 sample, c_{L2} = 5.0 mM.

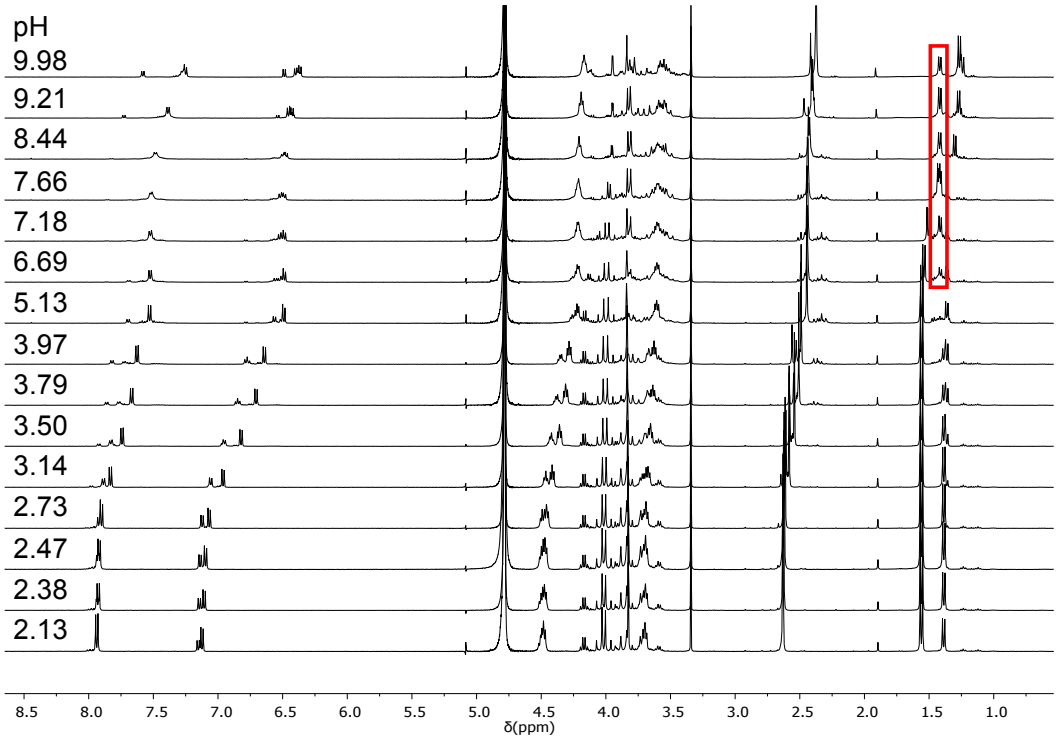

Figure S9. pH-dependent ^{1}H NMR spectra of the 1:2 Pd(II)–L2 sample, c_{L2} = 5.0 mM, A signals of the bis-complexes are highlighted

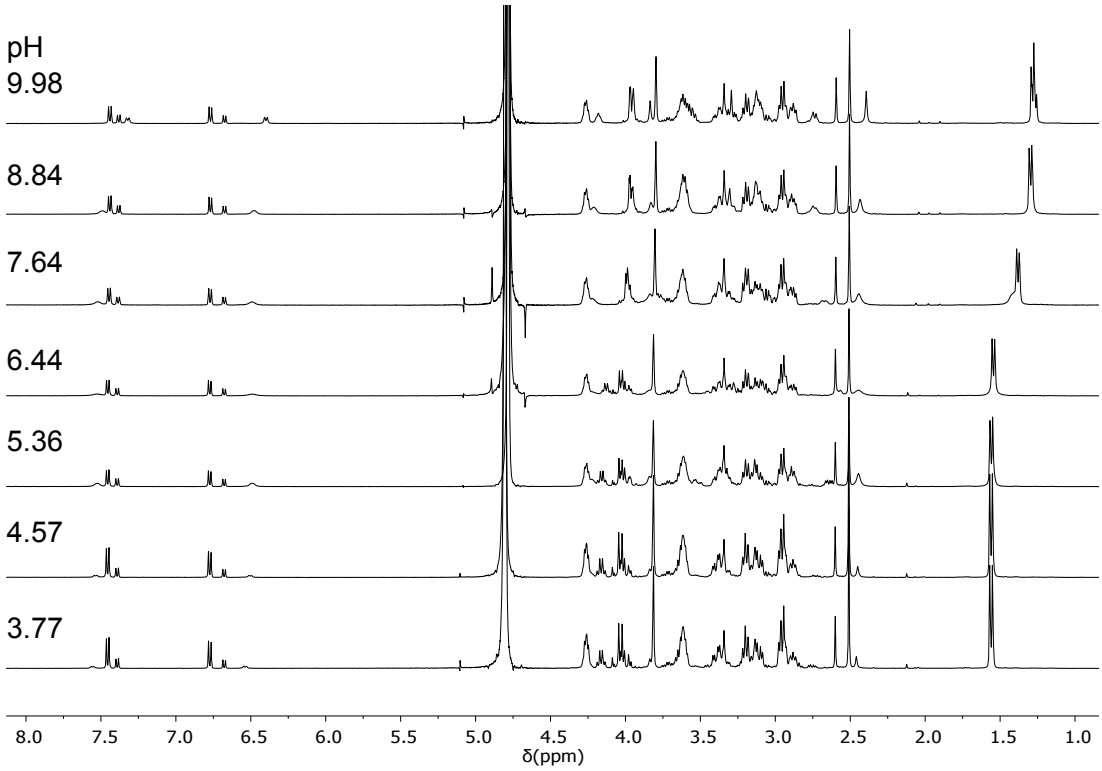

Figure S10. pH dependent ^{1}H NMR spectra of $[Co(tren)H(L2)]^{3+}$ in solution

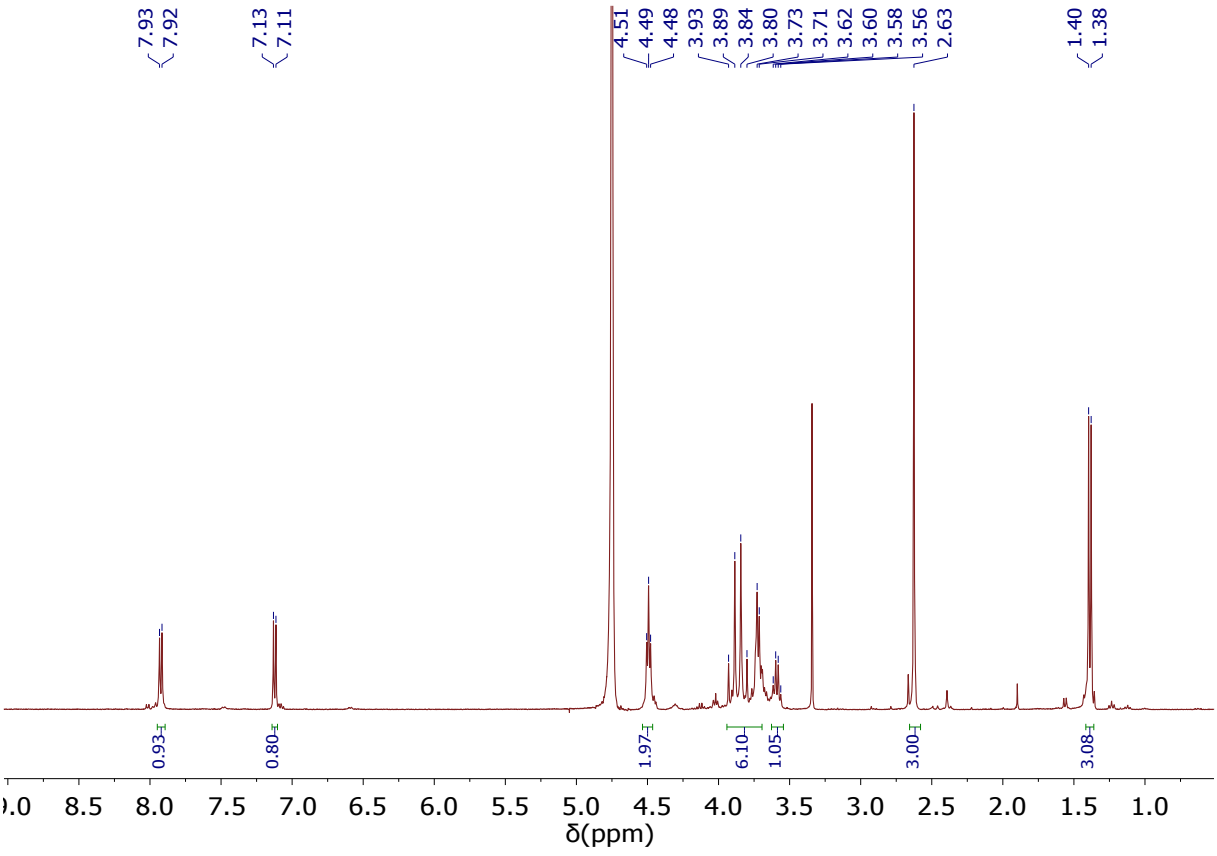

Figure S11. ^{1}H NMR spectum of $[PdH(L2)Cl_2]\cdot 2H_2O$ in D_2O.

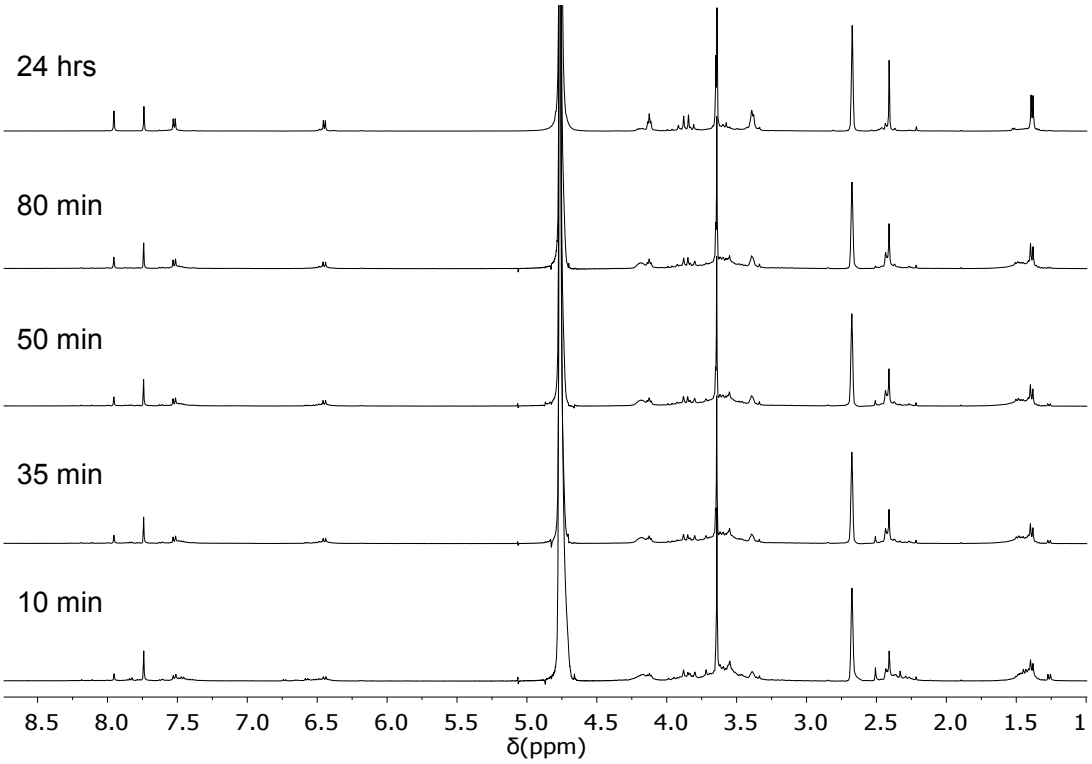

Figure S12. Time dependent ^{1}H NMR spectra of $[PdH(L2)Cl_2]\cdot H_2O$–9-MeG =1:4 system at pH = 7.0 (c_M = 2.0 mM).