**Supplementary Fig 7.** A comparison of the concentration dependence of $^1$H NMR chemical shifts of $[\text{Pt(phen})(L^{-}\kappa S,O)]^+PF_6^-$ and $[\text{Pt(phen)}(L^1{-}\kappa S)_2^2]$, showing very differing trends.


$^1$H NMR spectra of $[\text{Pt(phen)}(L^1{-}\kappa S)_2^2]$ at different concentrations in chloroform-$d_i$ with N the normalized concentration relative to the lowest concentration (~1.3 mM). (Kotze & Koch, unpublished data, ref. 34).