

Supplementary Materials

Ligand-tuning of the stability of Pd(II) conjugates with cyanocobalamin

Dominika Porębska, Łukasz Orzeł, Dorota Rutkowska-Zbik, Grażyna Stochel and Rudi van Eldik

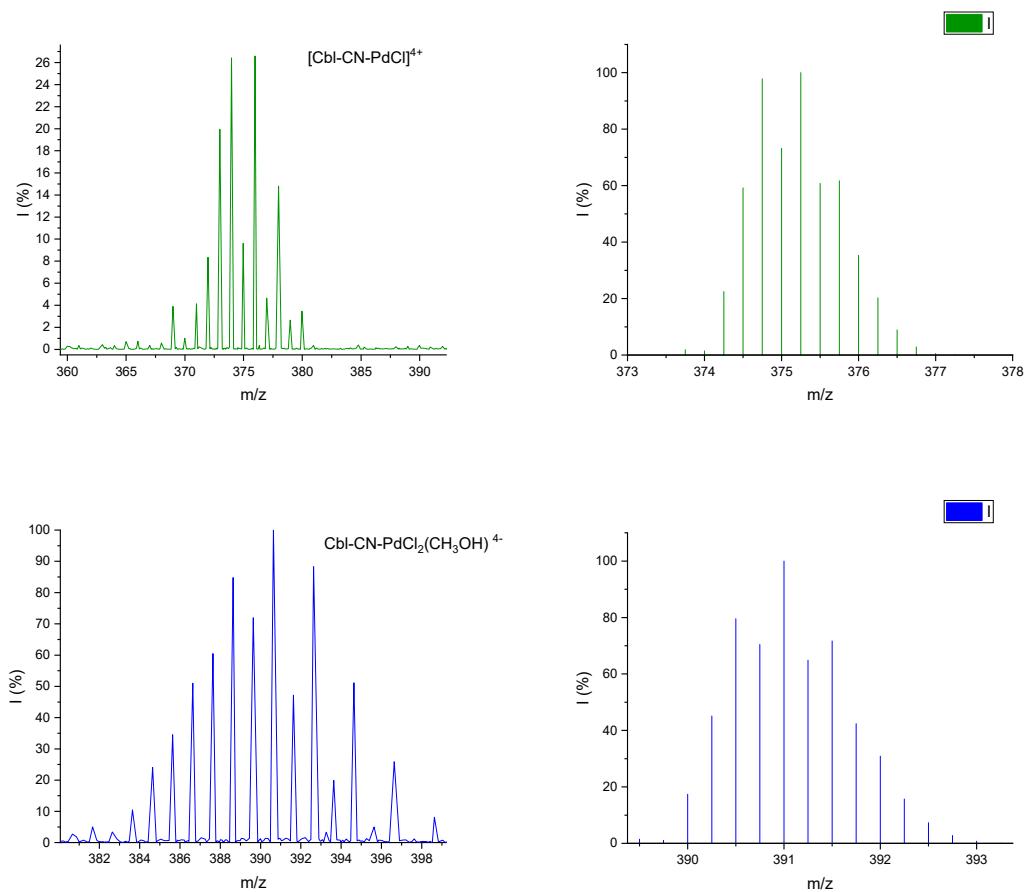


Figure S1. Mass spectra of **1** (green), **2** (blue) as (a) recorded by ESI-MS in post-reaction mixture (180 °C, 0.4 Bar, 4.0 l/min) and (b) simulated using *The Isotope Distribution Calculator*.

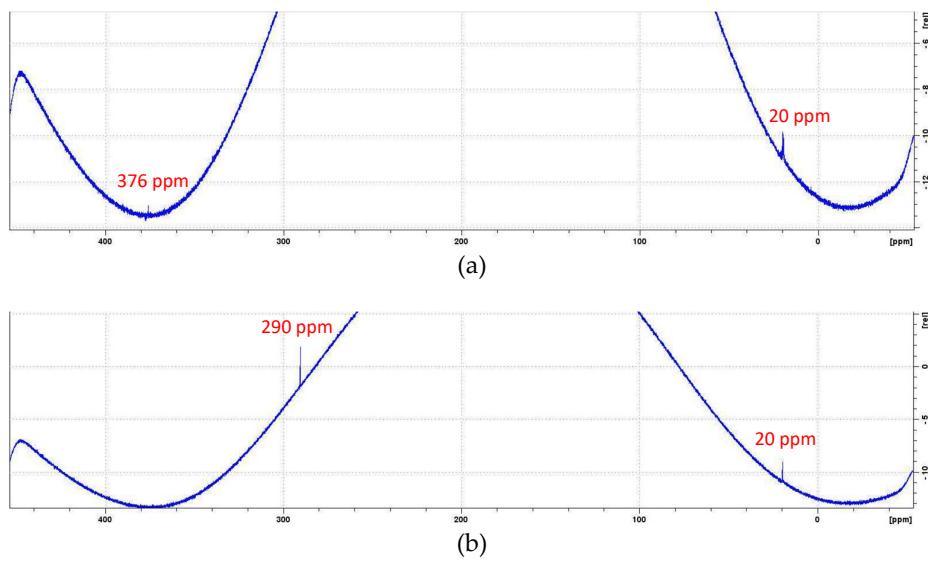


Figure S2. (a) The ^{15}N -NMR spectrum of the reaction mixture containing **1**, (b) the ^{15}N -NMR spectrum of CblCN.

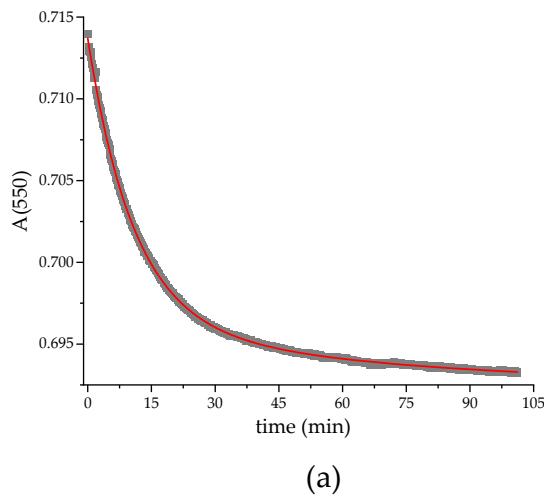


Figure S3. (a) The kinetic trace at 550 nm for the reaction of CblCN with $[\text{Pd}(\text{dien})\text{H}_2\text{O}]^{2+}$ at 1:10 concentration ratio and (b) the plot of k_{obs} versus $[\text{Pd}(\text{dien})\text{H}_2\text{O}]^{2+}$ concentration. $[\text{CblCN}] = 1 \times 10^{-4} \text{ M}$, $\text{pH} = 4.1$, $T = 25^\circ\text{C}$.