Complexes of Platinum(II) containing Ferrocenylethynyl ligands: Synthesis, Characterization and Spectroscopic and Electrochemical Properties.

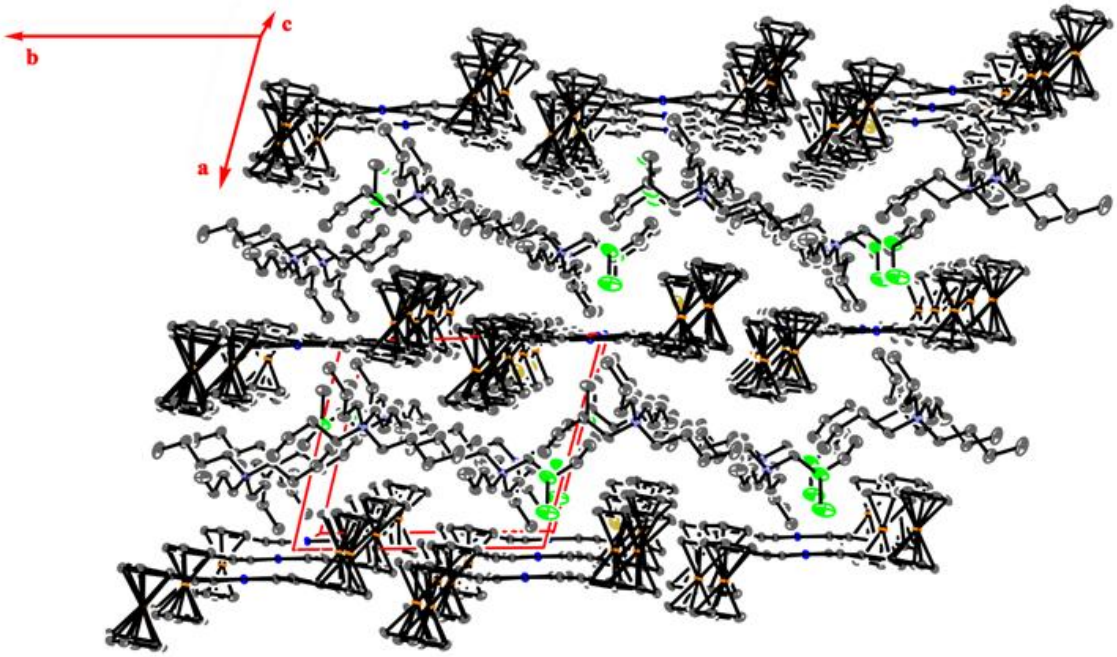

Figure S1. Stacking Pattern of complex **6·2H_2O·2CH_2Cl_2**

Some crystal data for $(NBu_4)[Pt(bzq)(C{\equiv}CFc)_2]\cdot 0.5CHCl_3$ **5·0.5CHCl$_3$**

Empirical formula	$C_{107}H_{120}Cl_3Fe_4N_4Pt_2$	
Formula weight	2182.00	
Temperature	173(1) K	
Wavelength	0.71073 Å	
Crystal system	*P* 21/a	
Space group	Monoclinic	
Unit cell dimensions	*a* = 15.787 Å	α = 90°.
	b = 25.990 Å	β= 105.34°.
	c = 25.055 Å	γ = 90°.
Volume	9913.8 Å^3	
Z	4	
Density (calculated)	1.462 Mg/m^3	
Absorption coefficient	3.509 mm^{-1}	
F(000)	4404	
Crystal size	0.5 x 0.125 x 0.05 mm^3	
Theta range for data collection	4.09 to 25.35°.	
Index ranges	0<=h<=19, 0<=k<=31, -30<=l<=29	
Reflections collected	18048	
Independent reflections	18048 [R(int) = 0.0000]	

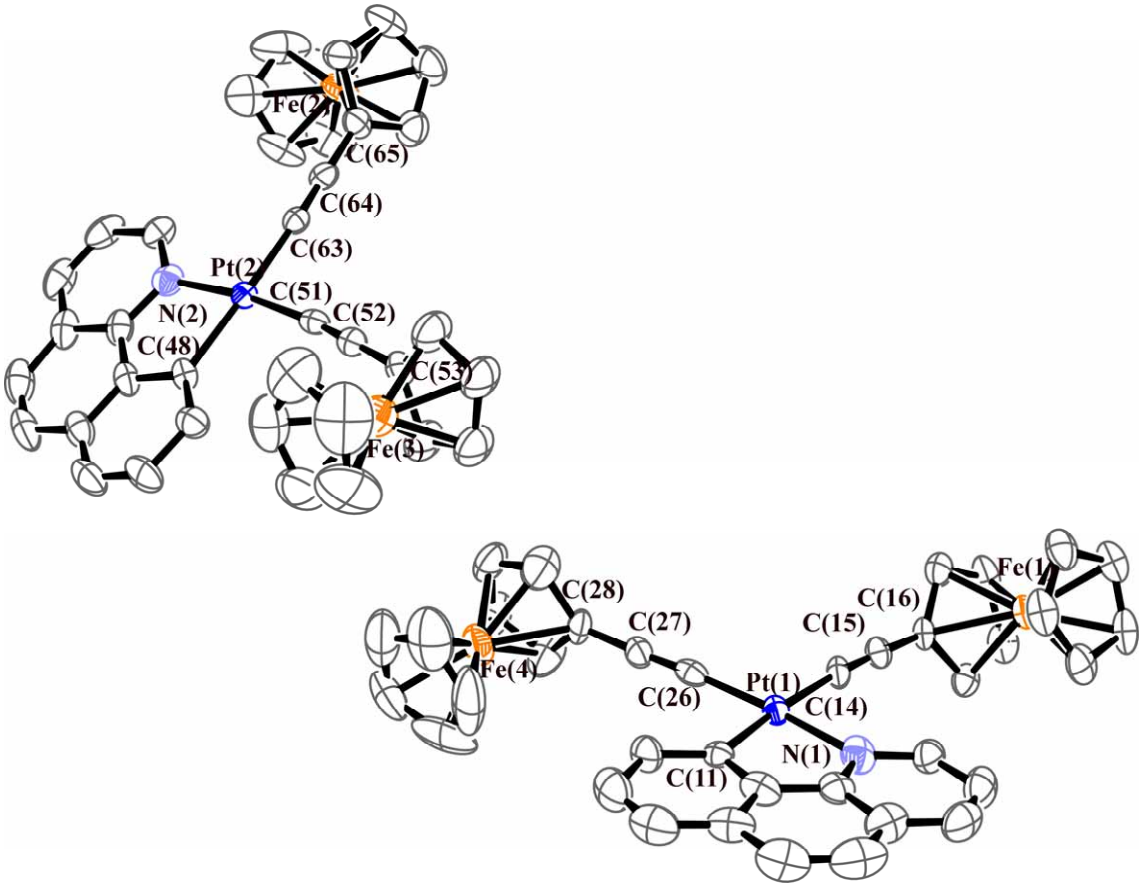

Figure S2. View of the anionic part in the asymmetric unit of the anion $[Pt(bzq)(C{\equiv}CFc)_2]^-$ of complex **5**. Hydrogen atoms have been omitted for clarity. Full ellipsoids for all atoms are at their 50% probability level.

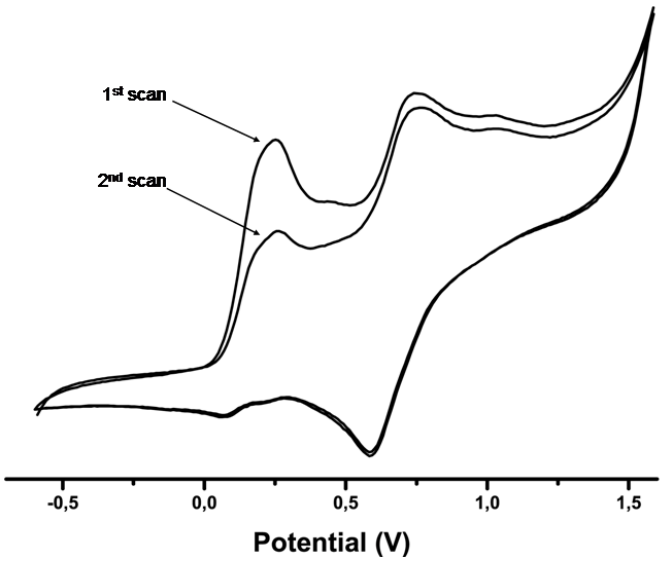

Figure S3. Cyclic voltammogram of complex **3** in CH_2Cl_2 at 25 ºC. Scan rate 100 mv s^{-1}, NBu_4PF_6 used as supporting electrolyte.

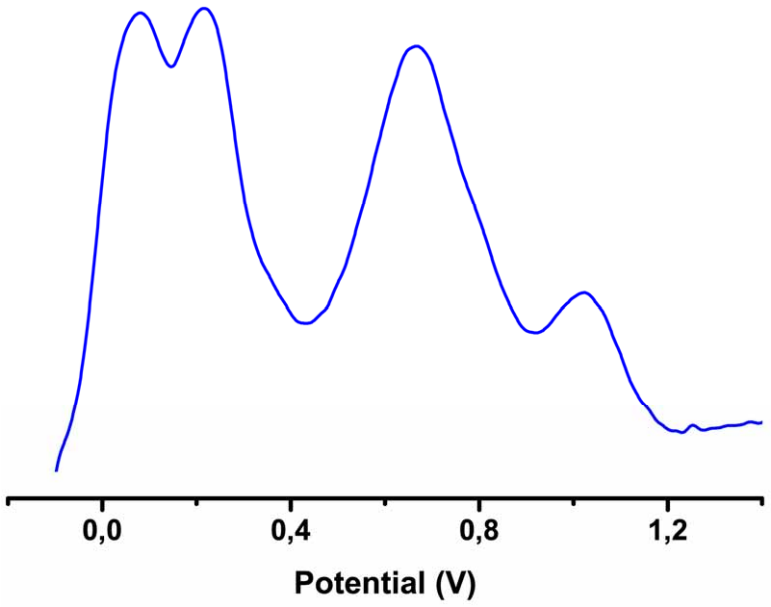

Figure S4. Differential pulse voltammogram of complex **4** in CH_2Cl_2 at 25 ºC. Scan rate = 10 mV s^{-1}, pulse amplitude = 10 mV, pulse width = 50 ms, pulse period = 20 ms.

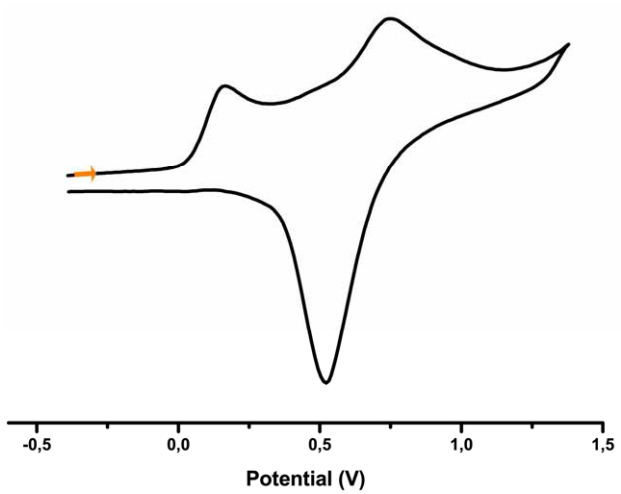

Figure S5. Cyclic voltammogram of complex **6** in CH_2Cl_2 at 25 ºC. Scan rate 100 mv s^{-1}, NBu_4PF_6 used as supporting electrolyte.

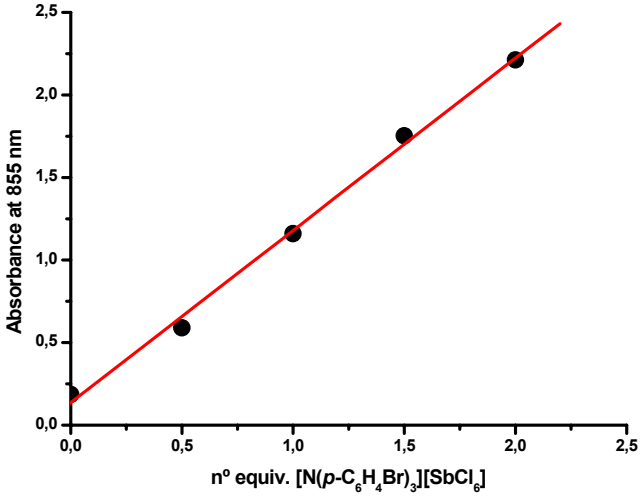

Figure S6. Beer plot of the absorbance at 855 nm of the oxidised complex **1** against the equiv of oxidant