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Chemical and Photochemical Properties of a Ruthenium Nitrosyl Complex with the *N*-Monosubstituted Cyclam 1-(3-Propylammonium)-1,4,8,11-tetraazacyclotetradecane

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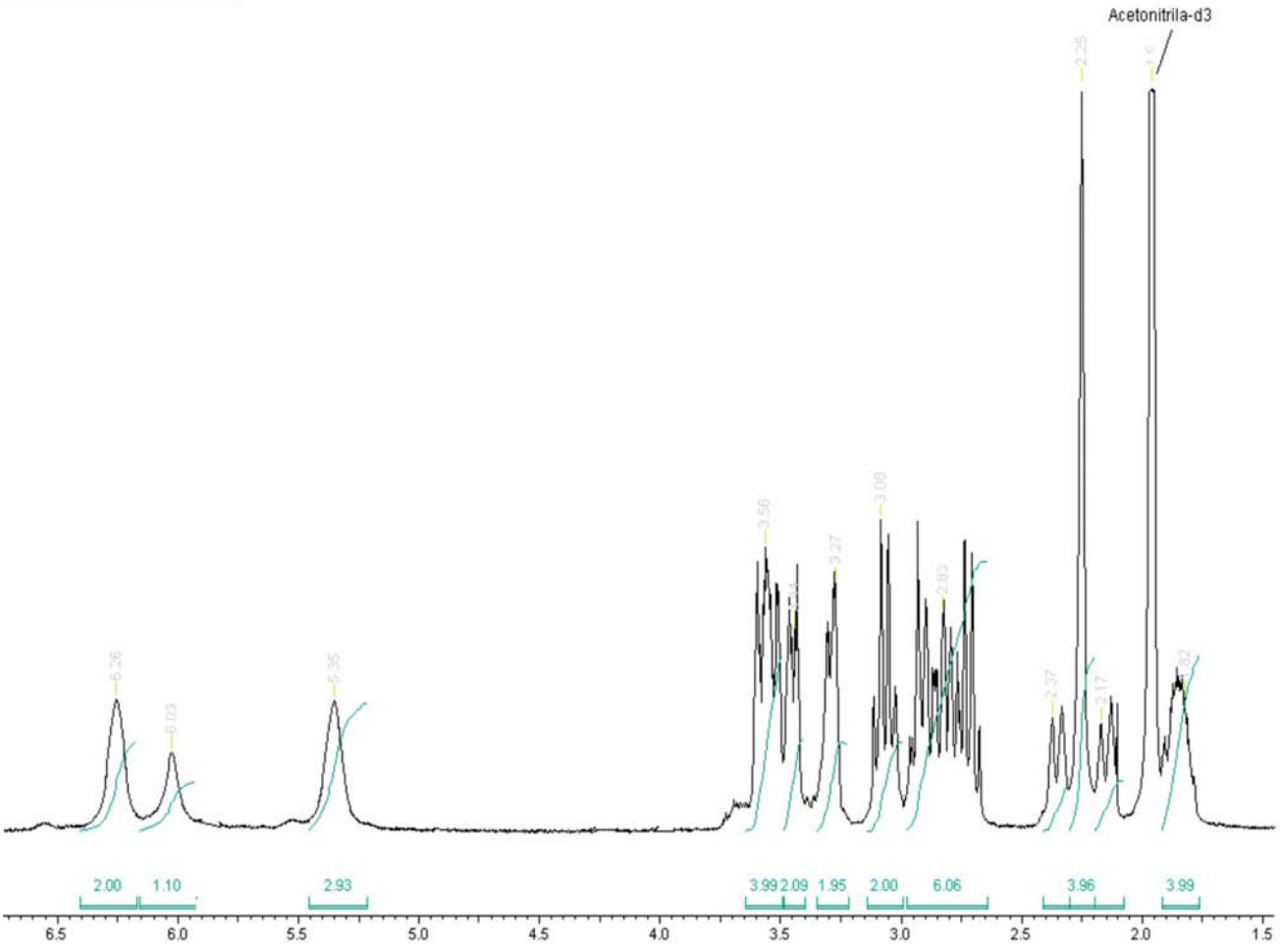

Figure S1. ^{1}H NMR spectrum (400.13 MHz) of *trans*-[Ru(NO)Cl(1-pramcyH)]$(PF_6)_3$ in acetonitrile-d_3.

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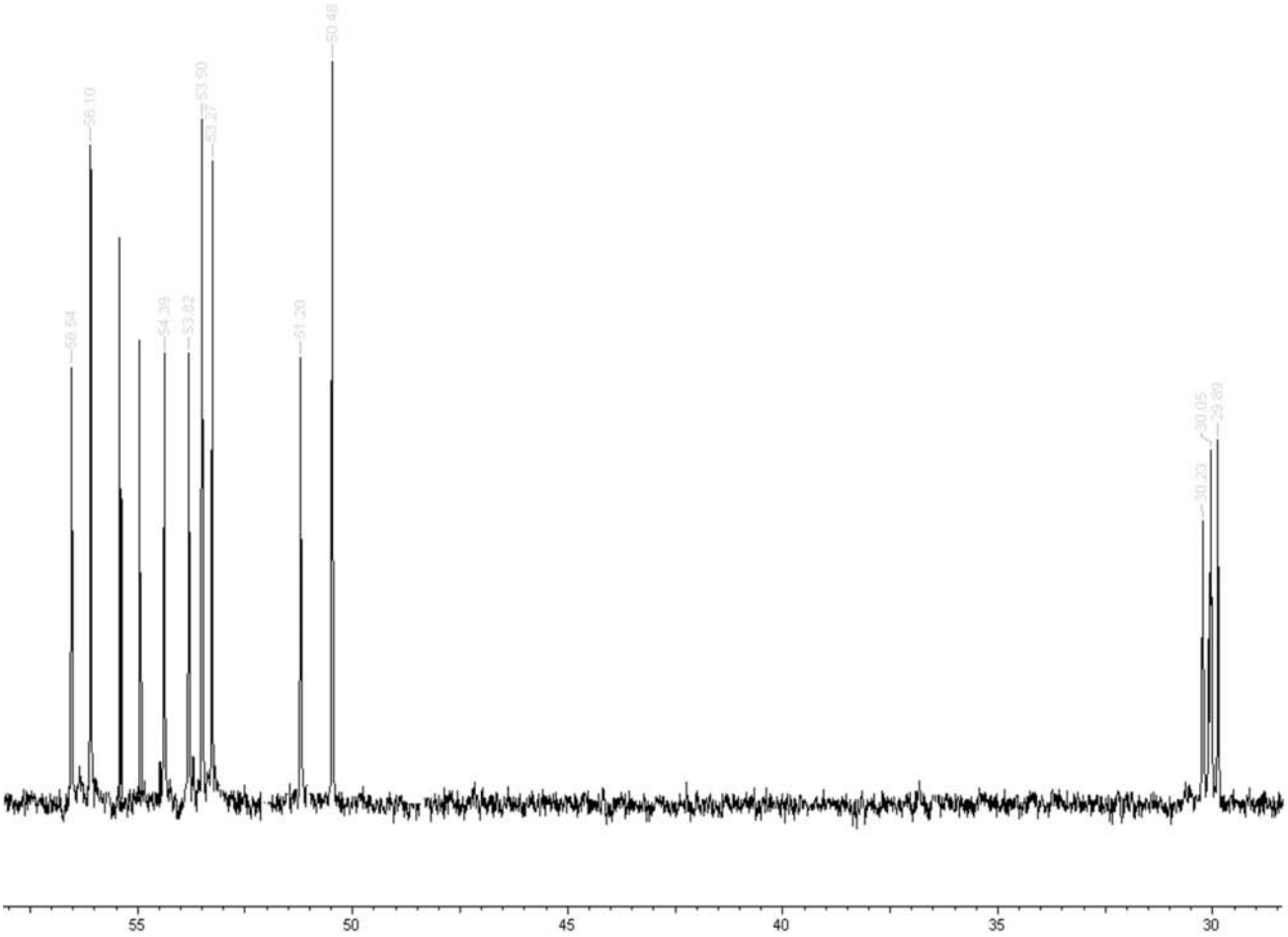

Figure S2. $^{13}C\{^{1}H\}$ NMR spectrum (100.61 MHz) of *trans*-[Ru(NO)Cl(1-pramcyH)]$(PF_6)_3$ in acetonitrile-d_3.

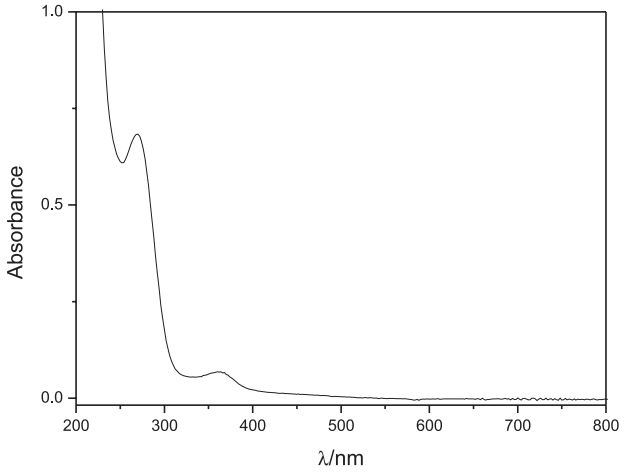

Figure S3. Electronic absorption spectrum of a 3.0×10^{-4} mol L^{-1} aqueous solution (pH 1) of *trans*-[Ru(NO)Cl(1-pramcyH)]$^{3+}$.

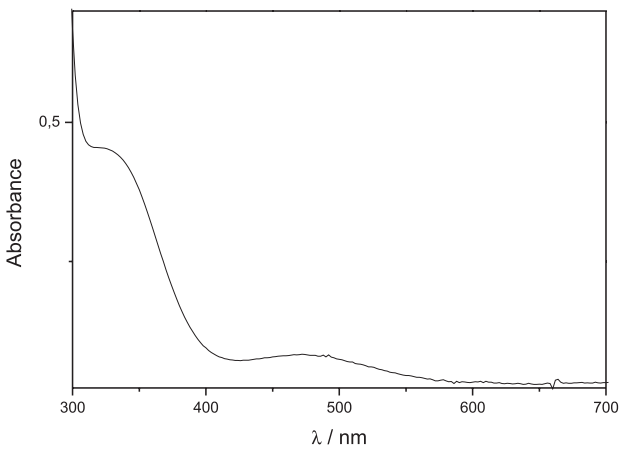

Figure S4. Electronic absorption spectrum of a 1.8×10^{-3} mol L^{-1} aqueous solution (pH 1) of *trans*-[Ru(NO)Cl(1-pramcyH)]$^{3+}$.

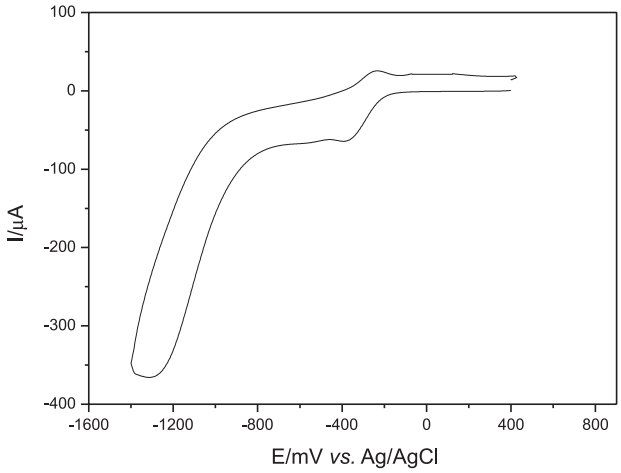

Figure S5. Cyclic voltammogram of a 7×10^{-3} mol L^{-1} solution of *trans*-[Ru(NO)Cl(1-pramcyH)]$(PF_6)_3$ in acetonitrile [25 ºC; 100 mV s^{-1}; μ = 0.1 mol L^{-1} tba(PF_6)], at 100 mV s^{-1}, with glassy carbon, Ag/AgCl and platinum wire as working, reference and auxiliary electrodes, respectively. T = 25 ºC.

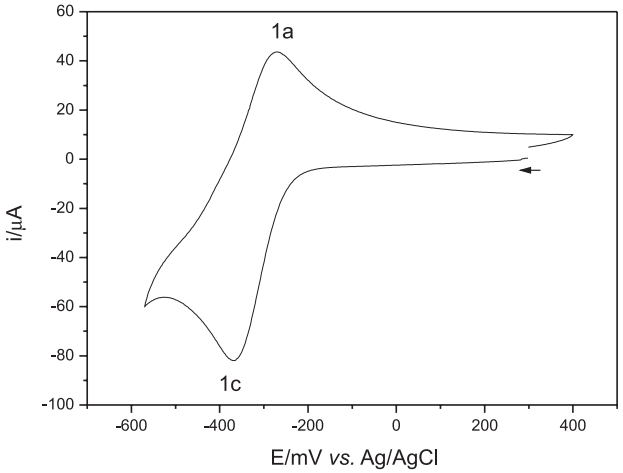

Figure S6. Cyclic voltammogram of a 7×10^{-3} mol L^{-1} solution of *trans*-[Ru(NO)Cl(1-pramcyH)]$(PF_6)_3$ in 0.2 mol L^{-1} LiCl (pH 6) at 100 mV s^{-1}, with glassy carbon, Ag/AgCl and platinum wire as working, reference and auxiliary electrodes, respectively. T = 25 ºC.