Supplementary information to Paper: Generation of one light-induced metastable nitrosyl linkage isomer in $[Pt(NH_3)_4Cl(NO)]Cl_2$ in the red spectral range

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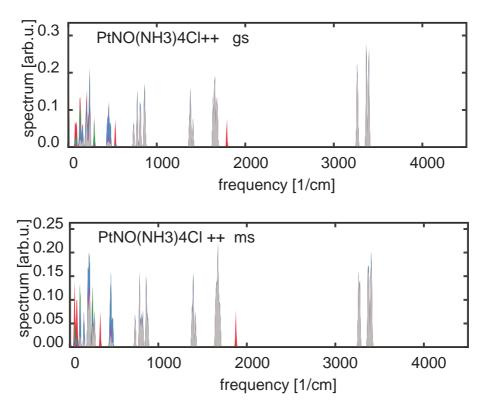


Figure 1: Calculated vibration spectrum of GS and MS in $[Pt(NH_3)_4Cl(NO)]^{2+}$. Red color indicates vibrations involving NO. The $\nu(NO)$ stretching frequency increases from 1791.1 cm⁻¹ in GS to 1875.9 cm⁻¹ in MS, while the GS $\delta(Pt-N-O)$ bending mode at 530.5 cm⁻¹ decreases by 187.1 cm⁻¹ to the MS $\delta(Pt-O-N)$ at 343.4 cm⁻¹. Green color indicates vibrations involving Cl, blue and grey color those involving NH₃.

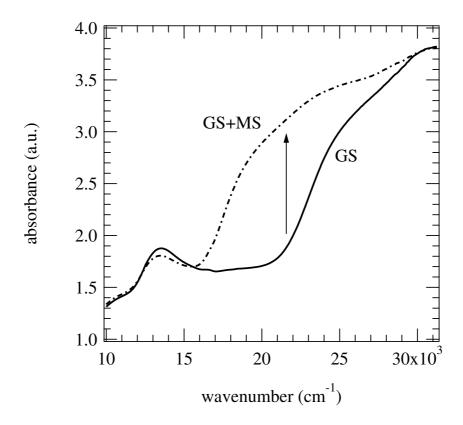


Figure 2: Absorption spectrum of GS (solid line) and GS+MS (dash-dotted line) of $[Pt(NH_3)_4Cl(NO)]Cl_2$ embedded in KBr.