Supporting information:

Ultrafast Charge Transfer in Nickel Phthalocyanine Probed by Femtosecond Raman-Induced Kerr Effect Spectroscopy

Gurusamy Balakrishnan, Alexandra V. Soldatova, Philip J. Reid, and Thomas G. Spiro*

Department of Chemistry, University of Washington, Seattle WA 98195

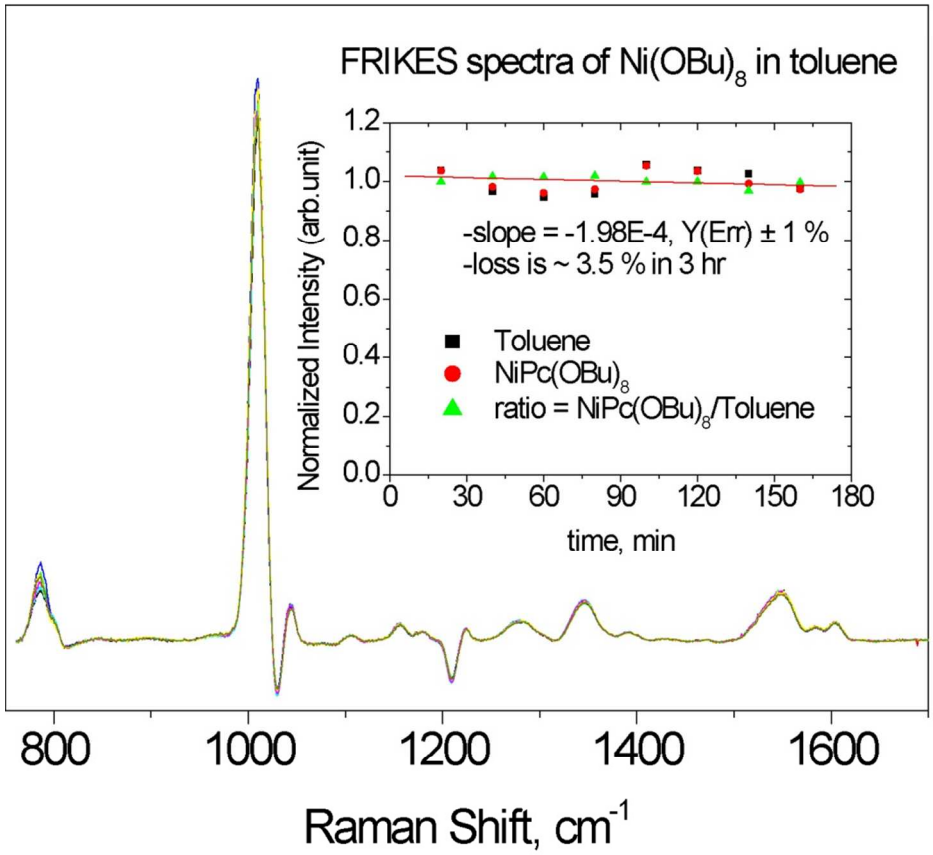

Figure S1. To check the sample integrity, ground state FRIKES spectra of $NiPc(OBu)_8$ (in toluene, with a 796 nm pump) were measured periodically during the time-resolved experiment. Inset shows the intensity variation of the FRIKES band at 1551 cm^{-1} [$NiPc(OBu)_8$] and 1604 cm^{-1} [toluene] and their ratio.

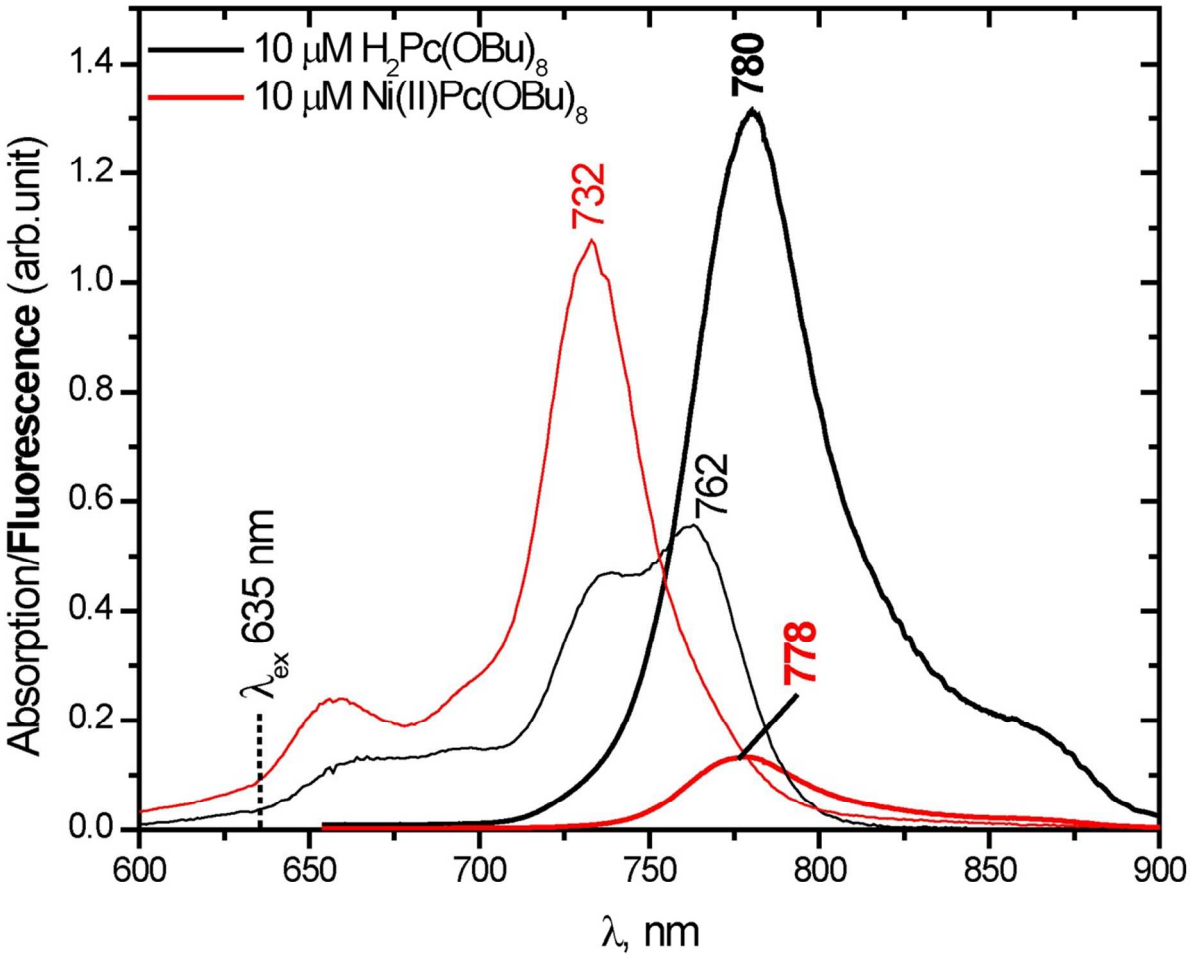

Figure S2. Absorption and emission (excited at 635 nm) spectra of octabutoxyphthalocyanine free base (black) and of the Ni(II) complex (red) in toluene.

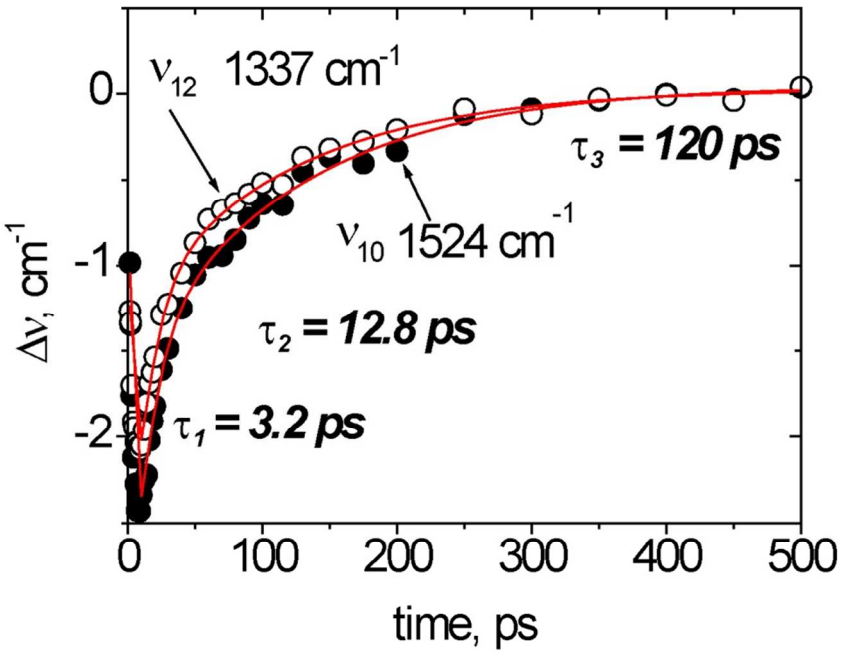

Figure S3. Frequency evolution of the ground state modes of $H_2Pc(OBu)_8$ in toluene. The red line corresponds to multi-exponential fit.