

Electronic Supplementary Information (ESI)

Solubilization and Photoinduced Electron Transfer of Single-Walled Carbon Nanotubes Wrapped with Coenzyme Q₁₀

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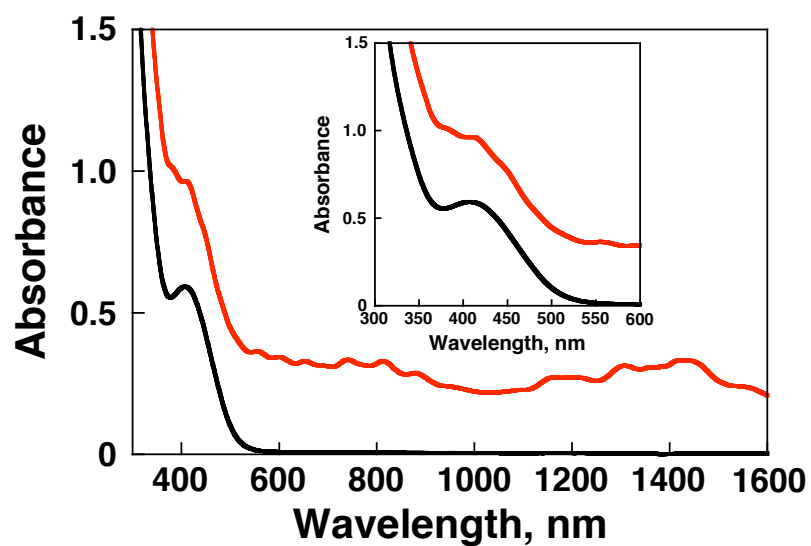


Figure S1. UV-Vis-NIR absorption spectra of SWNT-CoQ₁₀ (red line) and CoQ₁₀ (black line) in DMF. Inset: Magnification of UV-Vis region.

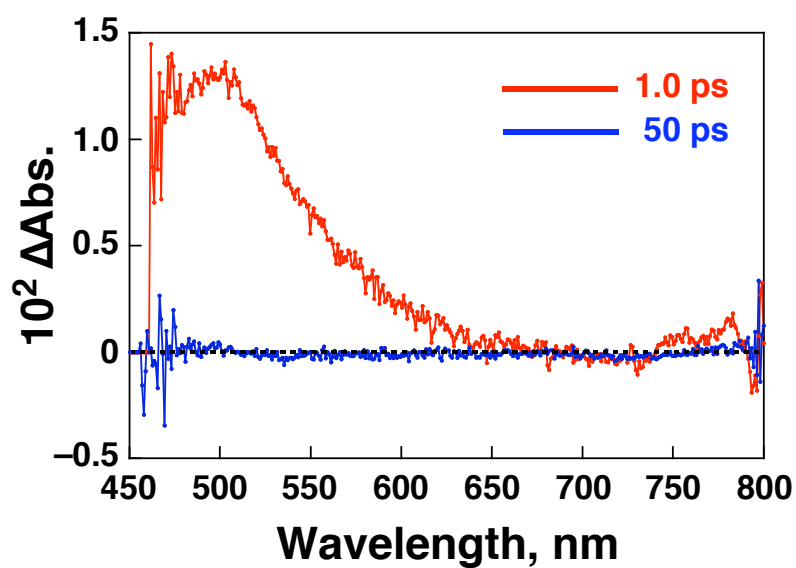


Figure S2. (a) Transient absorption spectra of ${}^1\text{CoQ}_{10}^*$ in deaerated DMF at 298 K after laser excitation at 410 nm.

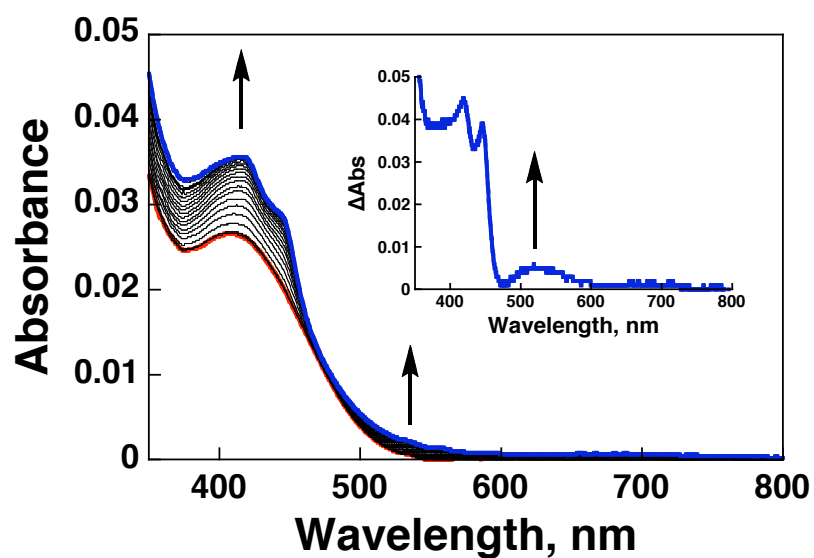


Figure S3. Spectroelectrochemistry of CoQ₁₀ in deaerated DMF (0.1 M supporting electrolyte: TBAPF₆) with an applied potential at -0.68 V vs SCE. Inset: Difference spectrum.

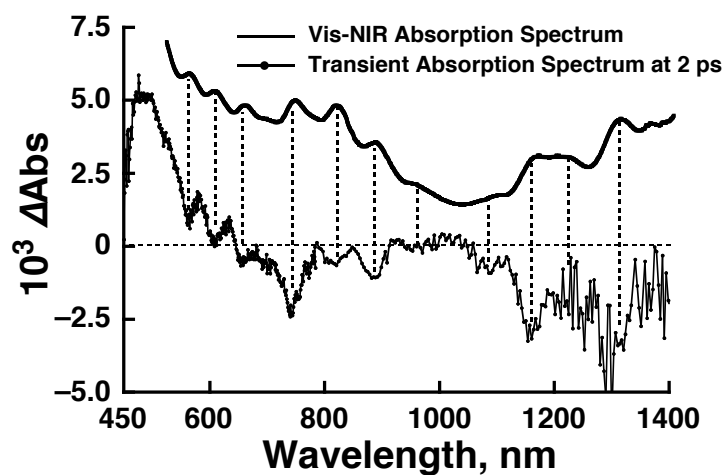


Figure S4. Transient absorption spectra of SWNT-CoQ₁₀ in deaerated DMF at 298 K taken at 2 ps after laser excitation at 410 nm. Solid line is an absorption spectrum of SWNT-CoQ₁₀ in DMF.