

Supplementary Figures:

Synthesis and cyclic voltammetric studies of diiron complexes, $\text{ER}_2[(\eta^5\text{-C}_5\text{H}_4)\text{Fe}(\text{L}_2)\text{Me}]_2$ ($\text{E} = \text{C}, \text{Si}, \text{Ge}, \text{Sn}; \text{R} = \text{H}, \text{alkyl}; \text{L}_2 = \text{diphosphine}$) and $(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\text{L}_2)\text{ER}_2\text{Fc}$ [$\text{Fc} = (\eta^5\text{-C}_5\text{H}_4)\text{Fe}(\eta^5\text{-C}_5\text{H}_5)$]

Mukesh Kumar, Francisco Cervantes-Lee⁺ and Keith H. Pannell*

Department of Chemistry, University of Texas at El Paso Texas, El Paso, TX. 79968-0513, USA.

Jianguo Shao

Department of Chemistry, Midwestern State University, 3410 Taft Blvd. Wichita Falls, TX 76308-2099

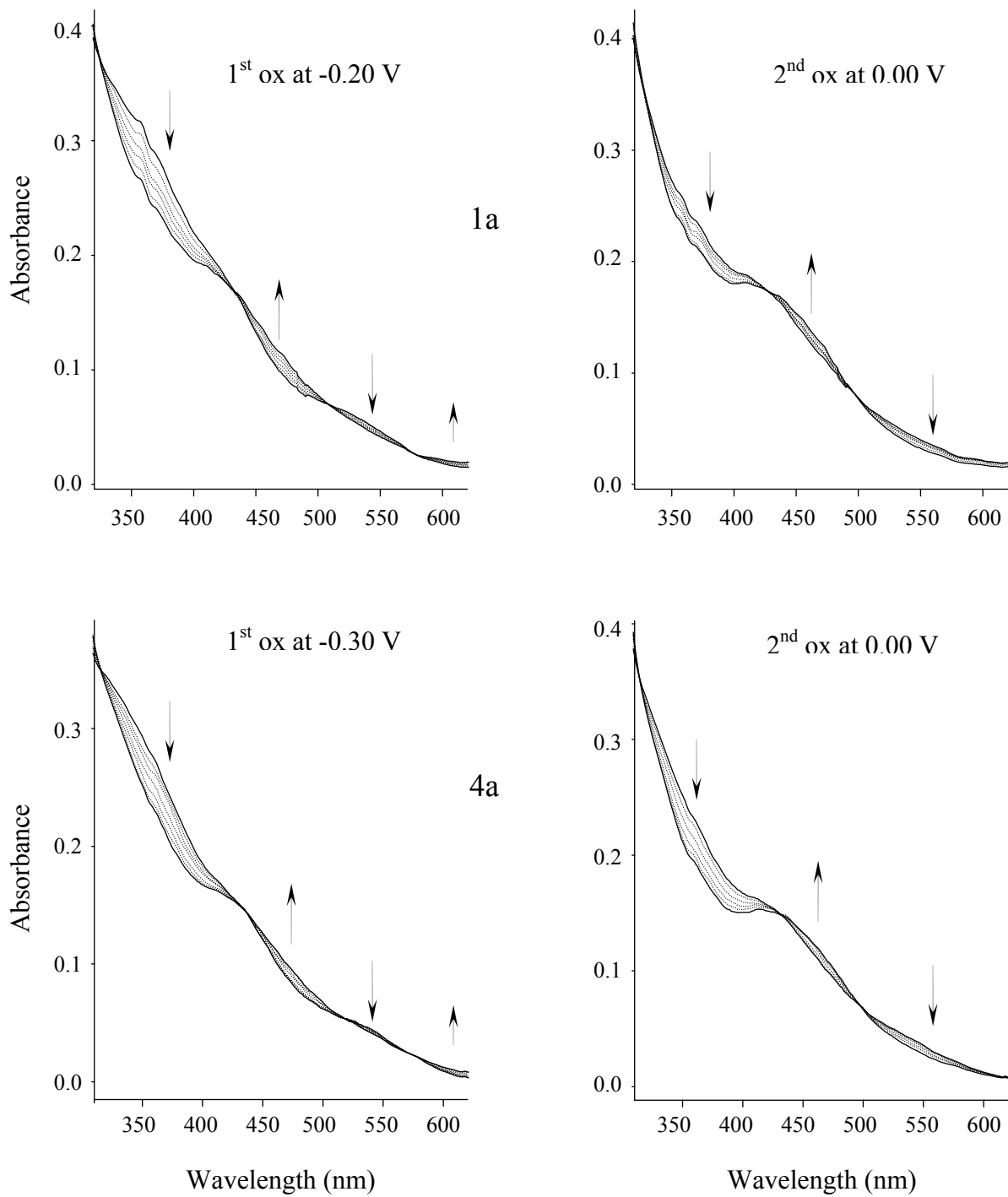


Figure 1: UV/Vis spectral changes for (η^5 -C₅H₅)Fe(cis-dppen)Fc (1a and 4a) upon the first and the second oxidations in CH₂Cl₂ containing 0.2 M TBAP.

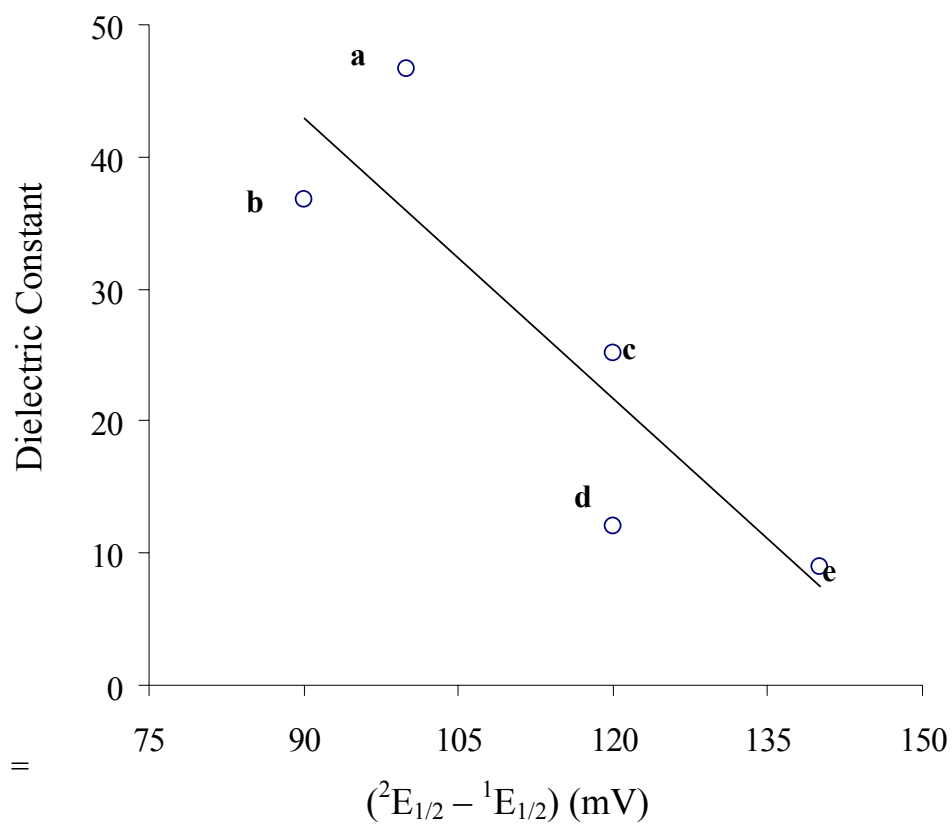


Figure 2: The Relationship between $(^2E_{1/2} - ^1E_{1/2})$ or $\Delta E_{1/2}$ (for 4a) and the Dielectric Constant of Solvents. a – DMSO; b – DMF; c – PhCN; d – pyridine; e – CH₂Cl₂.