

SUPPORTING INFORMATION

Testing the Conjugative Properties of Benzodithiophene and Benzotrithiophene in Charge Transfer Multi(Ferrocenyl) Systems

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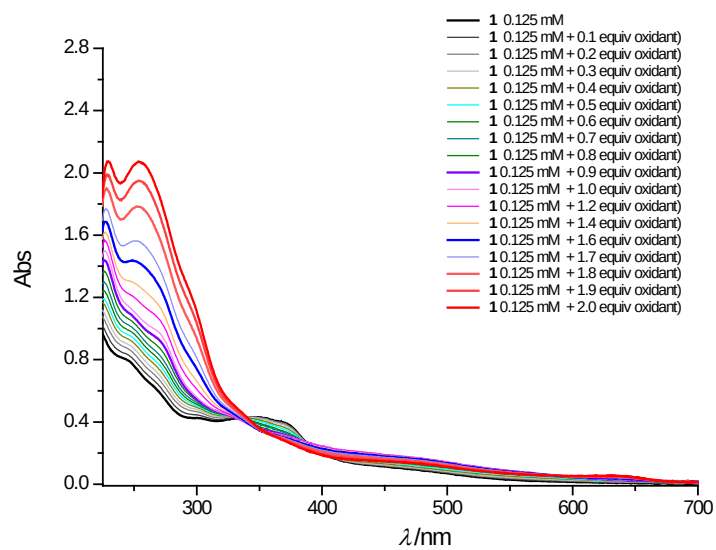


Figure S1. UV-vis spectra of 1^{2+} in CH_2Cl_2 / $0.1 \text{ M } n\text{Bu}_4\text{NPF}_6$ obtained by incremental additions of acetylferrocenium(BF_4) from 0.1 to 2 equivalents to $0.125 \text{ mM } 1$.

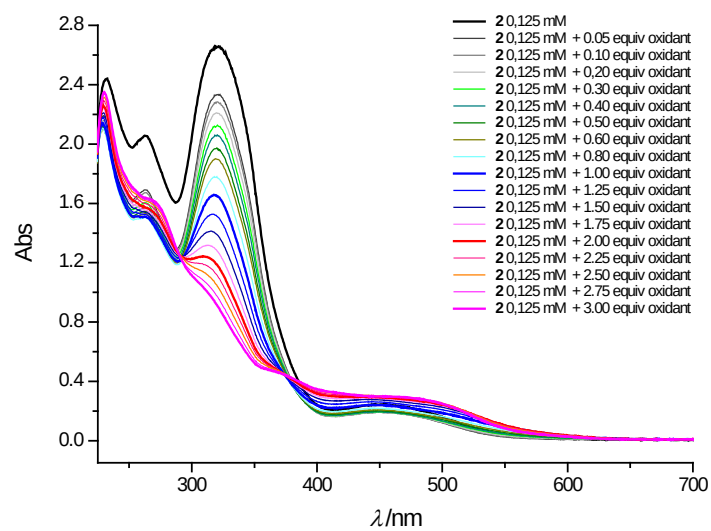


Figure S2. UV-vis spectra of 2^{2+} in CH_2Cl_2 / 0.1 M $n\text{Bu}_4\text{NPF}_6$ obtained by incremental additions of acetylferrocenium(BF_4) from 0.05 to 3 equivalents to 0.125 mM **2**.

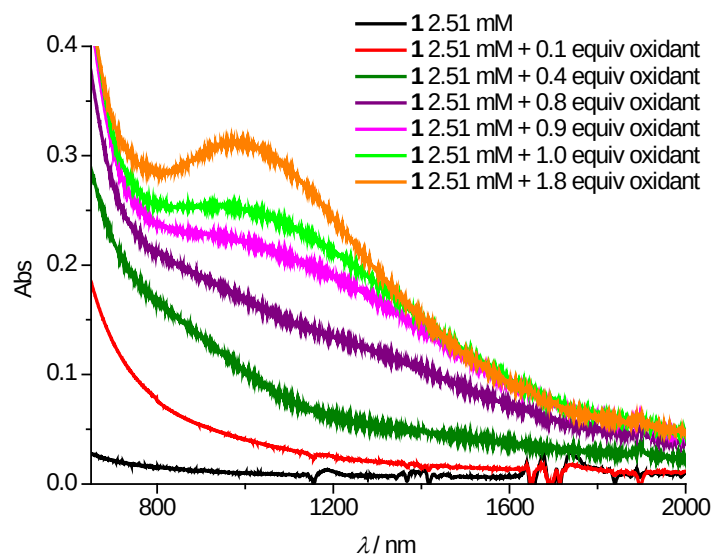


Figure S3. NIR spectra of 1^{2+} in CH_2Cl_2 / 0.1 M $n\text{Bu}_4\text{NPF}_6$ obtained by incremental additions of acetylferrocenium(BF_4) from 0.05 to 1.8 equivalents to 2.51 mM **1**. Further addition of the oxidant caused precipitation of 1^{2+} .

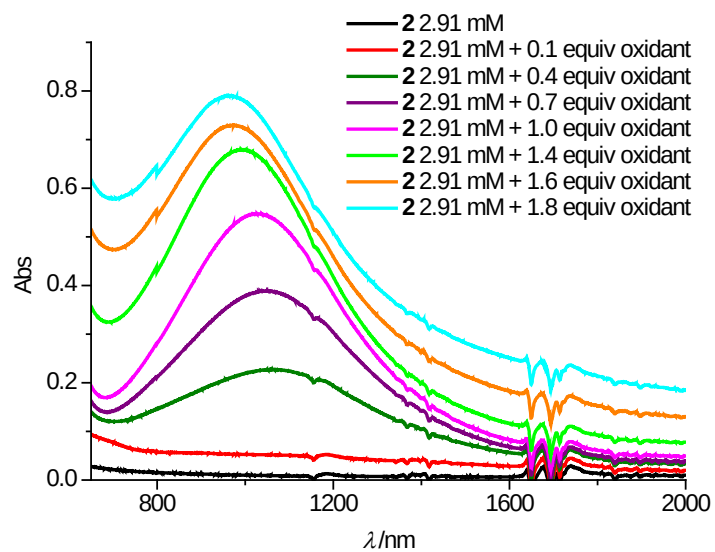


Figure S4. NIR spectra of 2^{3+} in CH_2Cl_2 / 0.1 M $n\text{Bu}_4\text{NPF}_6$ obtained by incremental additions to 2.91 mM **2** of acetylferrocenium(BF_4) from 0.05 to 1.8 equivalents to 2.91 mM **2**. Further oxidant addition caused precipitation of 2^{3+} .

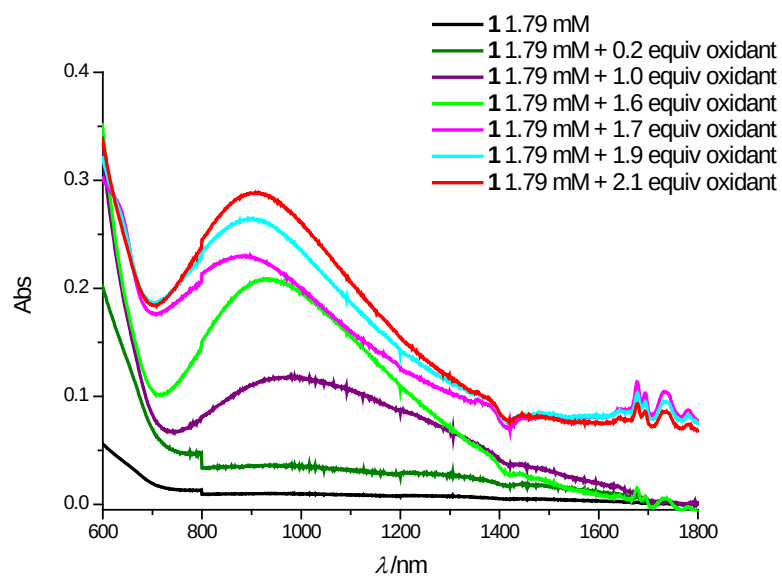


Figure S5. Oxidation of 1.79 mM **1** solutions in acetone / 0.1 M $n\text{Bu}_4\text{NB}(\text{C}_6\text{F}_5)_4$ by incremental addition of acetylferrocenium(BF_4).

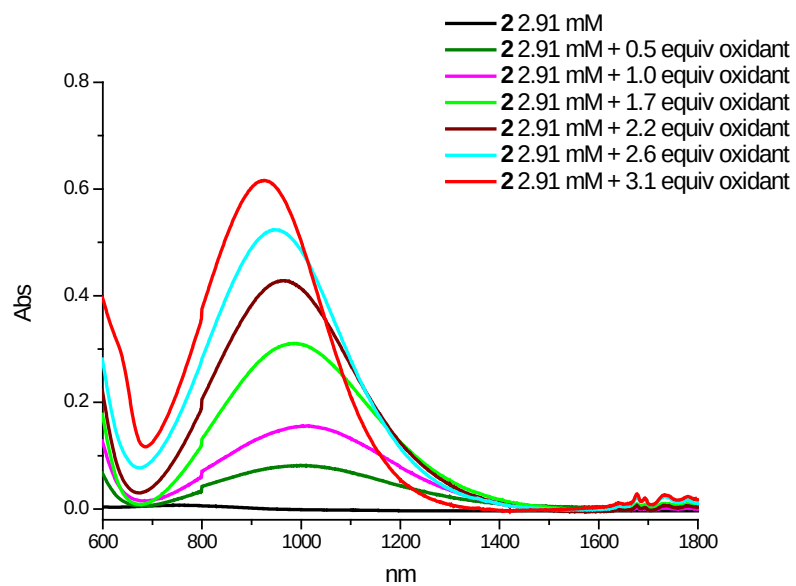


Figure S6. Oxidation of 2.91 mM **2** solutions in acetone / 0.1 M *n*Bu₄NB(C₆F₅)₄ by incremental addition of acetylferrocenium(BF₄).