Document: Synthesis and Characterization of [Fe(CN)6]3–/4– Redox Couple in Ionic Liquids

## Abstract:

We report cyclic voltammetry of ferrocyanide/ferricyanide in 1-ethyl-3-methylimidazolium tetrafluoroborate ([EMIM][BF4]). Observed  $\Delta E \blacksquare = 75$  mV at v = 100 mV/s; diffusion coefficient D calculated via Randles-Šev $\blacksquare$ ík:

$$i_p = (2.69 \times 10^5) \cdot n^(3/2) \cdot A \cdot C \cdot D^(1/2) \cdot v^(1/2)$$

## Table 1: