Electronic Supplementary Information for the Paper

A novel architecture based upon multi-walled carbon nanotubes and ionic liquid to improve the electroanalytical detection of ciprofibrate

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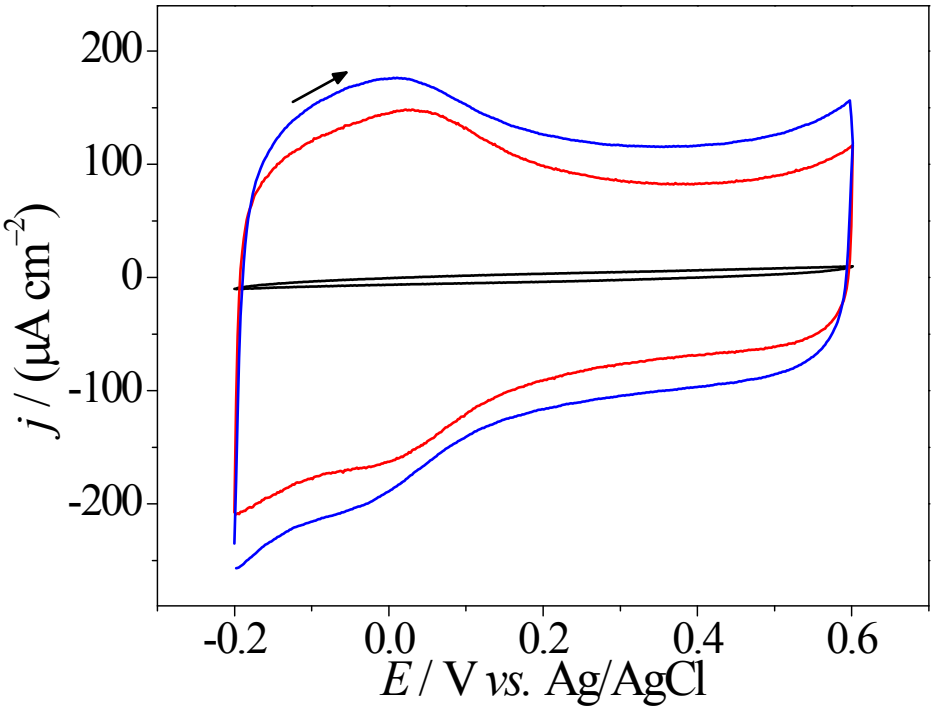

Figure S1. Cyclic voltammograms obtained in 0.1 mol L^{-1} KCl solution using: GCE (– –), MWCNTs-CTS/GCE (—) and IL-MWCNTs-CTS/GCE (—). v = 50 mV s^{-1}.

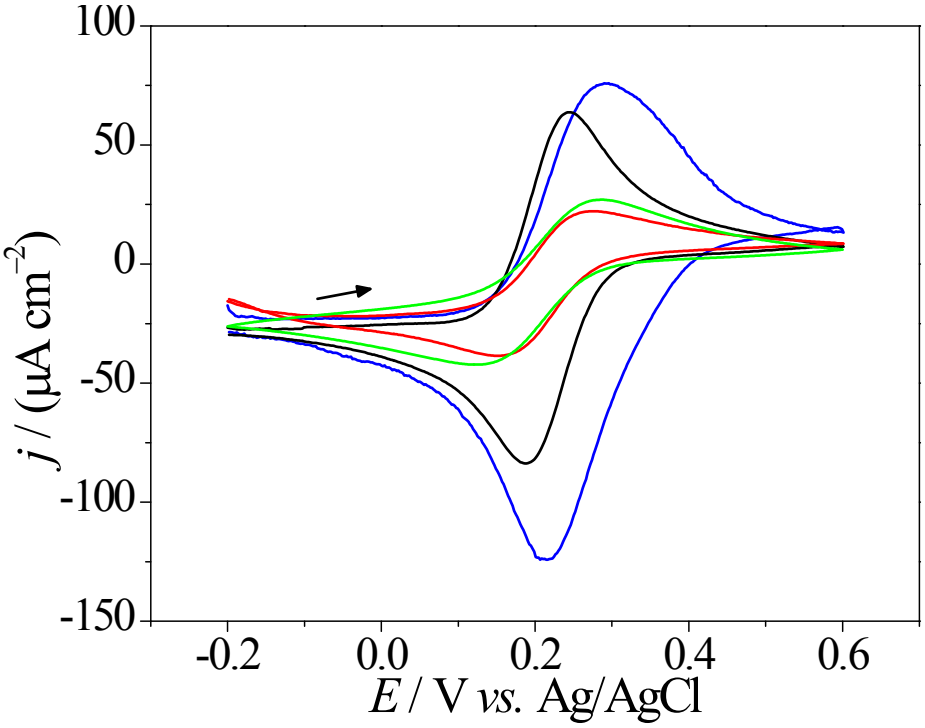

Figure S2. Cyclic voltammograms obtained for 1.0×10^{-3} mol L^{-1} $K_4Fe(CN)_6$ in 0.1 mol L^{-1} KCl solution using GCE (—), IL-MWCNTs-DHP/GCE (—), IL-MWCNTs-Nafion/GCE (—), and IL-MWCNTs-CTS/GCE (—). $v = 10$ mV s^{-1}.

Table S1

ΔE_p, j_a, and j_c values obtained from the CV recorded at 10 mV s^{-1} for the probe $[Fe(CN)_6]^{4-/3-}$ using GCE, IL-MWCNTs-DHP/GCE, IL-MWCNTs-Nafion/GCE and IL-MWCNTs-CTS/GCE

Electrode	**ΔE_p (mV)**	**j_a (µAcm^{-2})**	**j_c (µAcm^{-2})**	**A* (cm^2)**
GCE	164.8	27.0	−42.2	0.026
IL-MWCNTs-DHP/GCE	55.5	63.4	−83.1	0.076
IL-MWCNTs-Nafion/GCE	105.1	21.1	−38.0	0.020
IL-MWCNTs-CTS/GCE	79.3	74.6	−122.5	0.088

*Electroactive area