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Supplementary Information

Nitrofurazone and its Nitroheterocyclic Analogues: a Study of the Electrochemical Behavior in Aqueous Medium

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Chemical characterizations of the synthesized analogues

The ^{1}H NMR spectra were recorded in a Bruker Avance DPX-300 spectrometer, using DMSO-d_6 as solvent and TMS as internal reference. NFS: ^{1}H NMR (300 MHz, DMSO-d_6) δ 7.63 (d, 1H, *J* 3.66 Hz, H-aromatic), 7.78 (d, 1H, *J* 3.66 Hz, H-aromatic), 7.96 (s, 1H, H-azometine), 8.02 (s, 1H, H-terminal amine), 11.83 (s, 1H, H-amine). NT: ^{1}H NMR (300 MHz, DMSO-d_6) δ 6.59 (s, 2H, H-amine), 7.43 (d, 1H, *J* 3.72 Hz, H-aromatic), 8.08 (d, 1H, *J* 3.72 Hz, H-aromatic), 8.03 (s, 1H, H-azometine), 10.76 (s, 1H, H-amine). NTS: ^{1}H NMR (300 MHz, DMSO-d_6) δ 7.53 (d, 1H, *J* 4.23 Hz, H-aromatic), 8.07 (d, 1H, *J* 4.23 Hz, H-aromatic), 8.04 (s, 1H, H-terminal amine), 8.18 (s, 1H, H-terminal amine), 8.45 (s, 1H, H-azometine), 11.82 (s, 1H, H-amine).

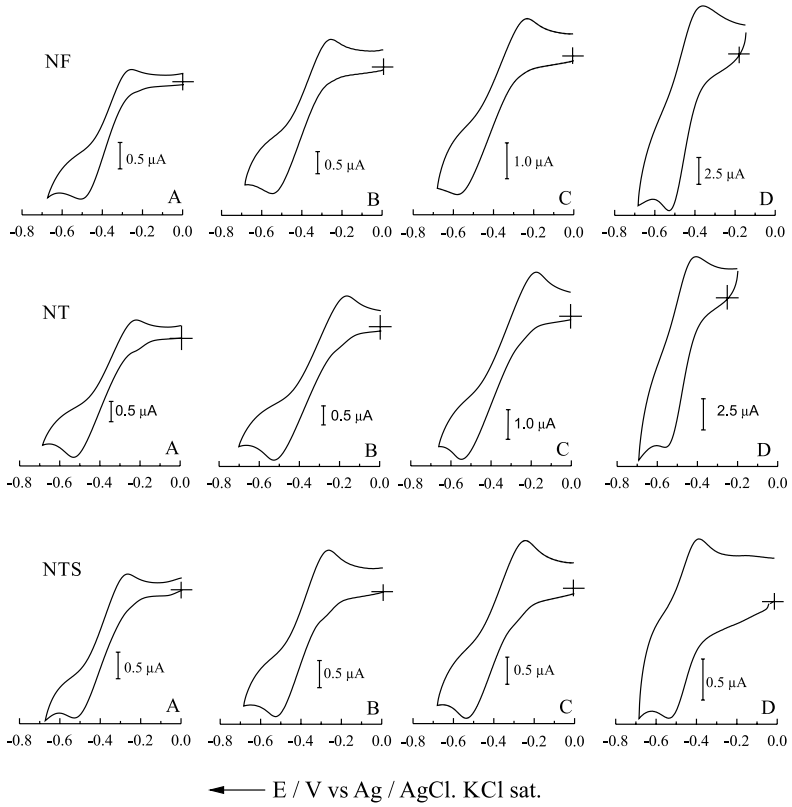

Figure S1. Cyclic voltammograms recorded at pH 10.01. [Compound] = 0.5 mmol L^{-1}. (A) 0.02 V s^{-1}; (B) 0.05 V s^{-1}; (C) 0.1 V s^{-1}; (D) 1.0 V s^{-1}.

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