

Electronic Supplementary Information

A versatile building block for EDOT or PEDOT functionalization.

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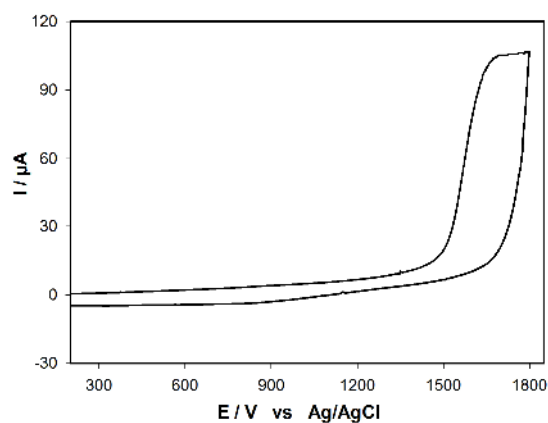


Figure S1. a) CV of **5**, , CH₃CN 100 mVs⁻¹; CH₃CN, Bu₄NPF₆ (0.1 M), Pt Φ =2 mm.

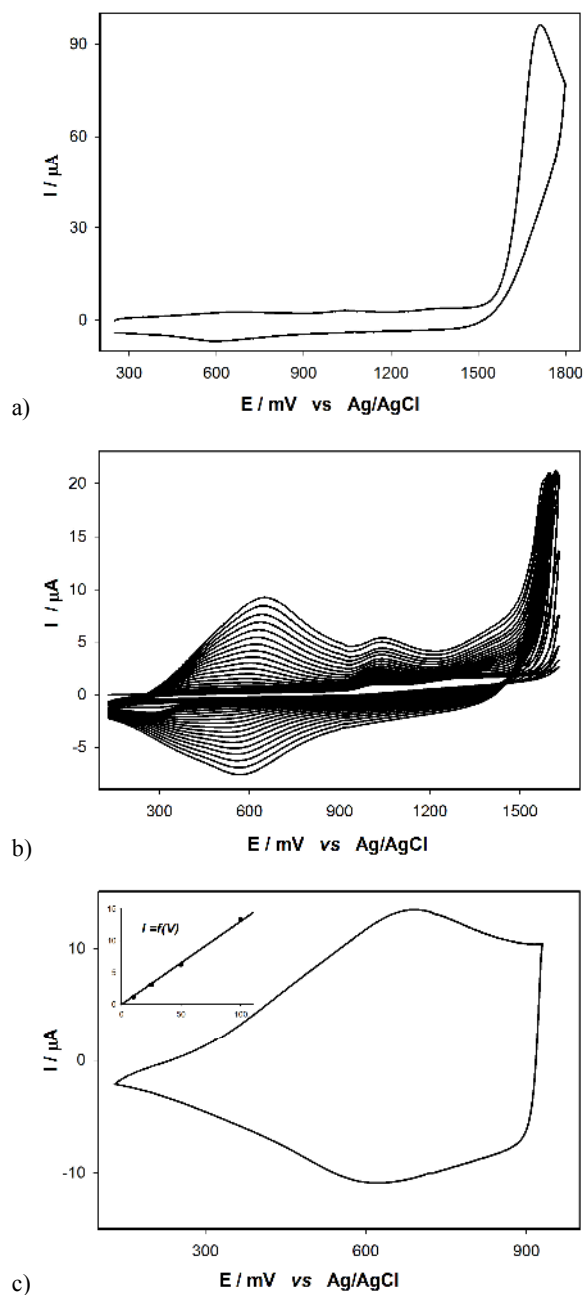


Figure S2 a) CV of **7**; b) Electropolymerization of **7** (10 mM), in 0.10 M $\text{Bu}_4\text{NPF}_6 / \text{CH}_3\text{CN}$, 25 cycles at 50 mV.s^{-1} , Pt $\Phi = 2 \text{ mm}$; c) CV response of poly(**7**); Insert: plot of the peak intensity as a function of the scan rate; CH_3CN , Bu_4NPF_6 (0.1 M), 100 mVs^{-1} , Pt $\Phi = 2 \text{ mm}$.

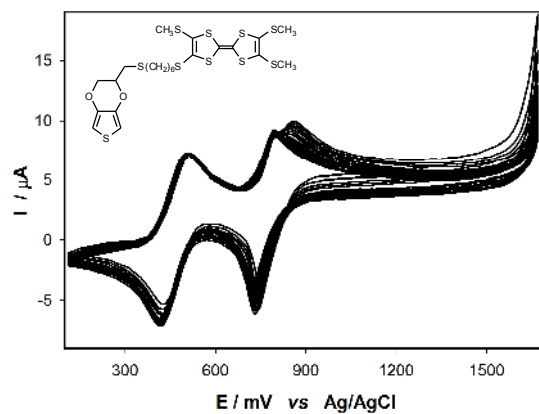


Figure S3. Electropolymerization of **8** (1mM), in 0.10M Bu₄NPF₆ / CH₃CN, 25 cycles at 50 mV.s⁻¹, Pt Φ=2 mm.

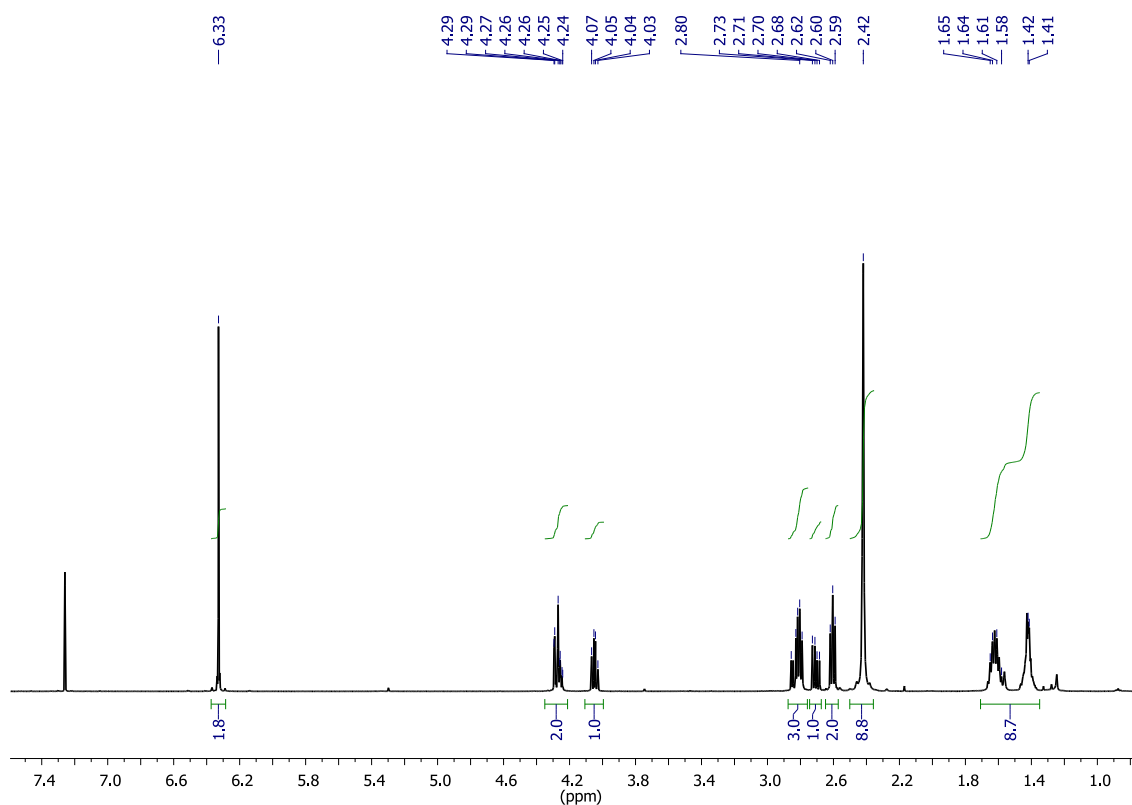


Figure 1: ¹H-NMR of compound **8** (CDCl₃)

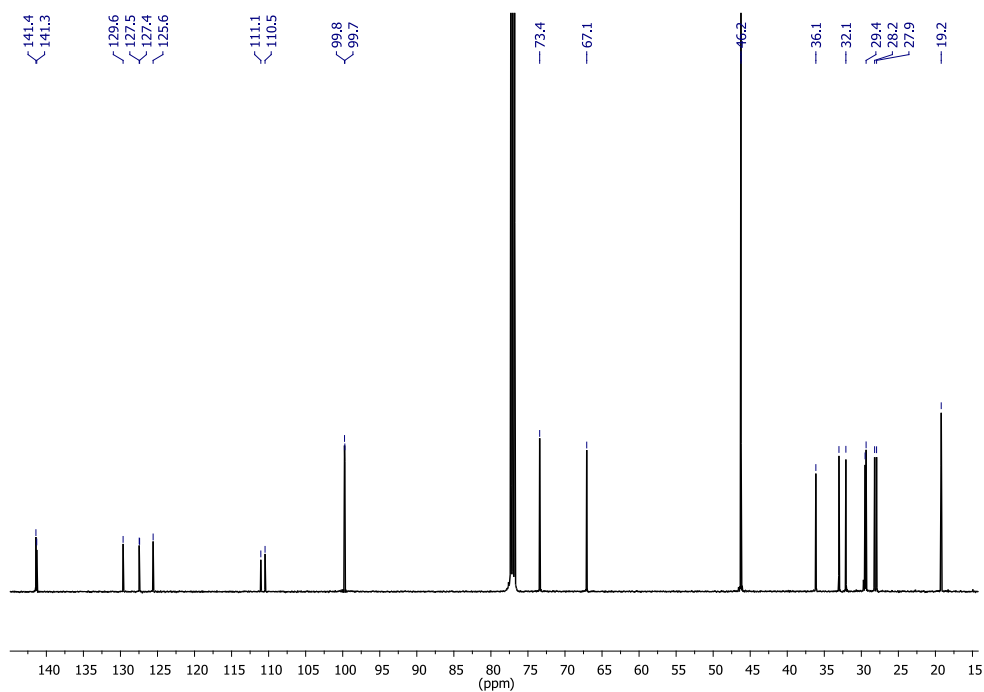


Figure 2 ¹³C-NMR of compound **8** (CDCl₃)