

Supplementary Information

Synthesis and Characterization of New 3-Substituted Thiophene Copolymers

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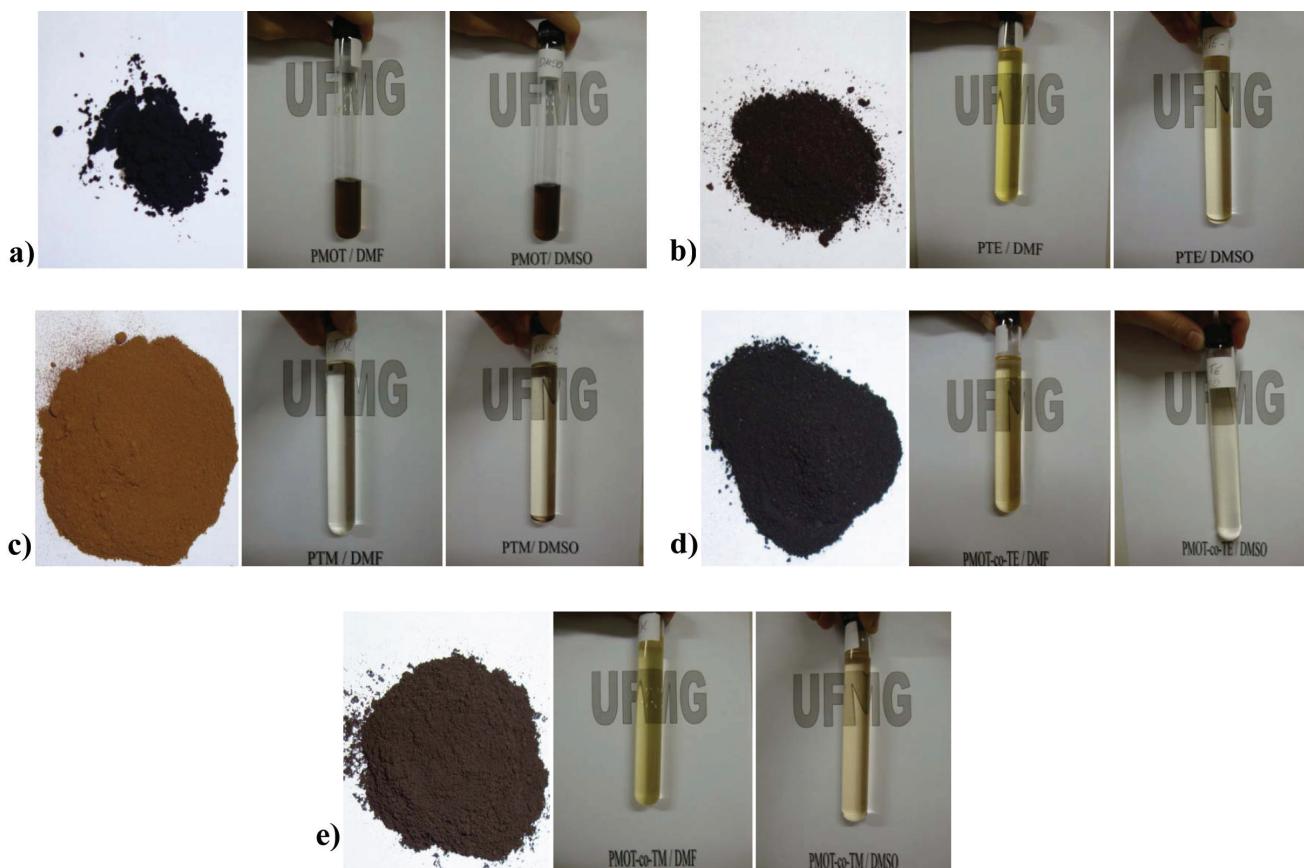


Figure S1. Images of the powders of the polymers and copolymers and their corresponding solutions in DMF and DMSO: a) PMOT/DMF and PMOT/DMSO; b) PTE/DMF and PTE/DMSO; c) PTM/DMF and PTM/DMSO; d)PMOT-co-TE/DMF and PMOT-co-TE/DMSO; e)PMOT-co-TM/DMF and PMOT-co-TM/DMSO. PTM is poor soluble (only a small fraction, maybe with soluble oligomers, it is in solution).

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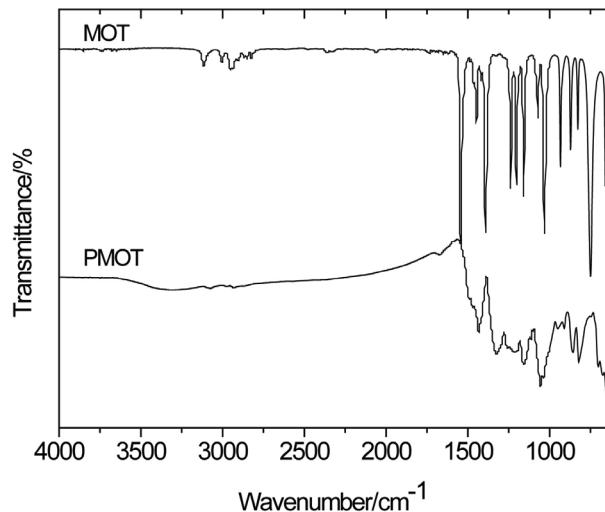


Figure S2. FT IR spectra of the monomer 3-methoxythiophene (MOT) and polymer poly(3-methoxythiophene) (PMOT).

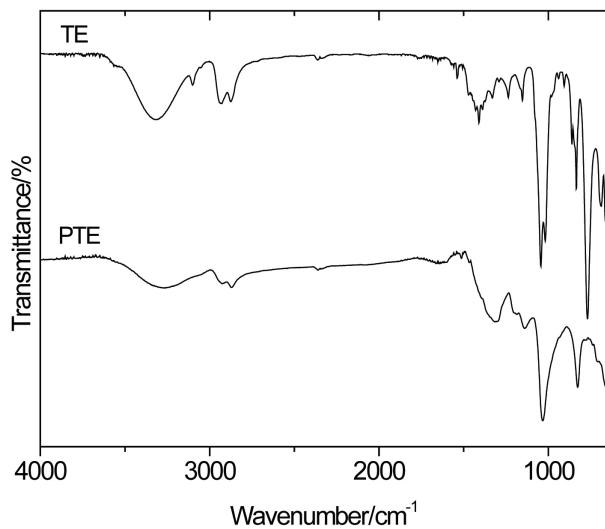


Figure S3. FT IR spectra of the monomer 3-thiopheneethanol (TE) and polymer poly(3-thiopheneethanol) (PTE).

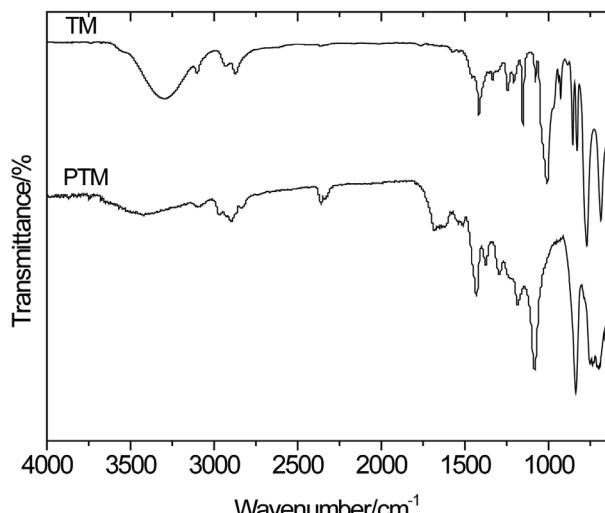


Figure S4. FT IR spectra of the monomer 3-thiophenemethanol (TM) and polymer poly(3-thiophenemethanol) (PTM).