

Supporting Information for

Multiple Hydrogen Bonding Mediates the Formation of Multicompartment Micelles and Hierarchical Self-Assembled Structures From Pseudo *A-block-(B-graft-C)* Terpolymers

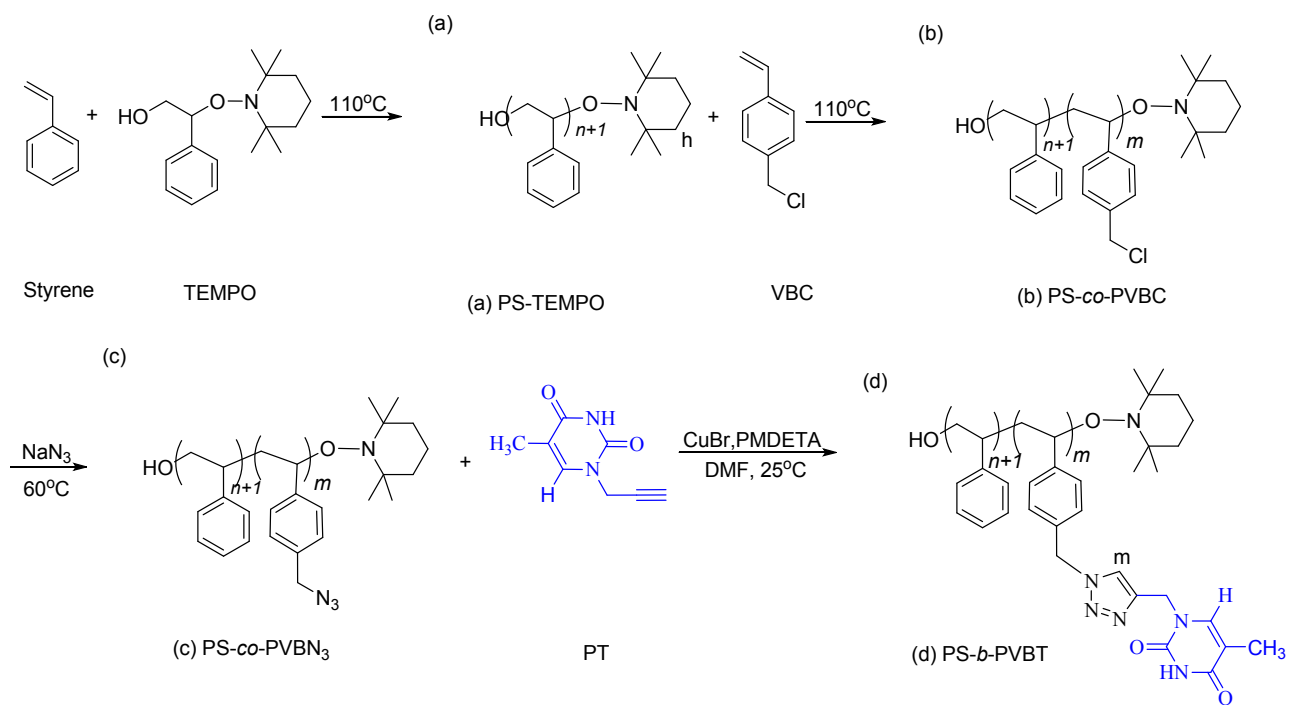
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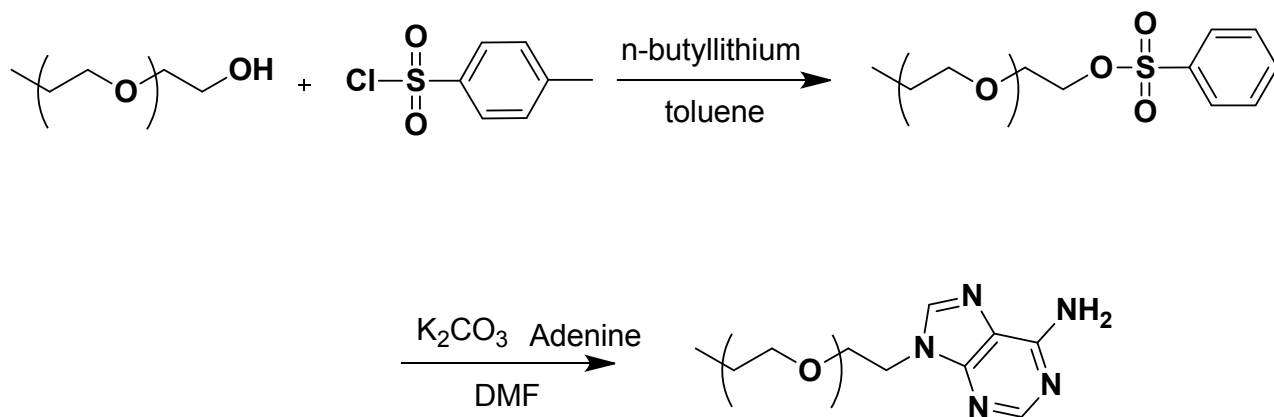
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Scheme S1: Syntheses of (a) PS-TEMPO, (b) PS-*b*-PVBC, (c) PS-*b*-PVBN₃, and (d) PS-*b*-PVBT.



Scheme S2: Synthesis of the adenine-terminated PEO

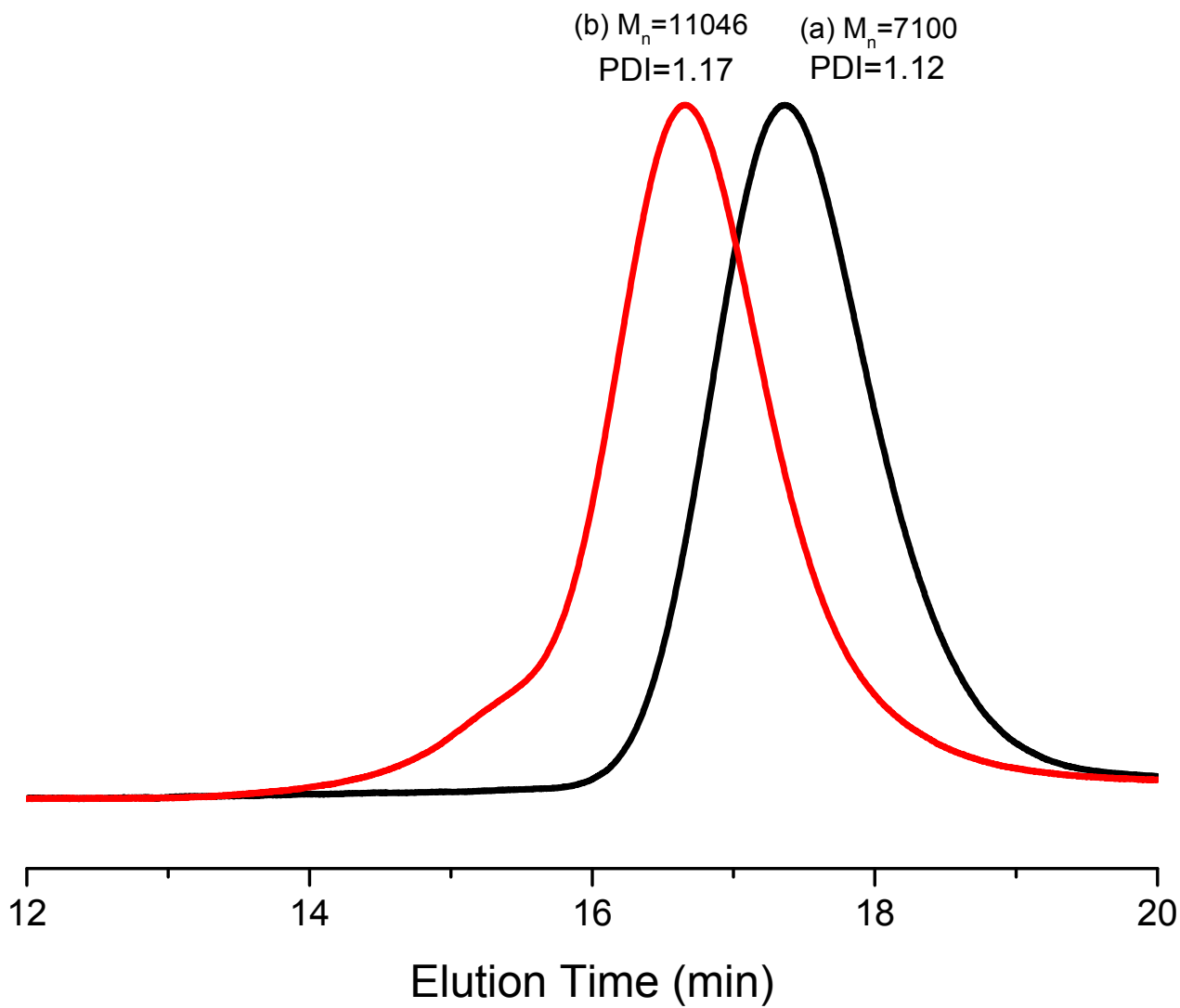


Figure S1: GPC analyses of (a) PS and (b) PS-*b*-PVBC.

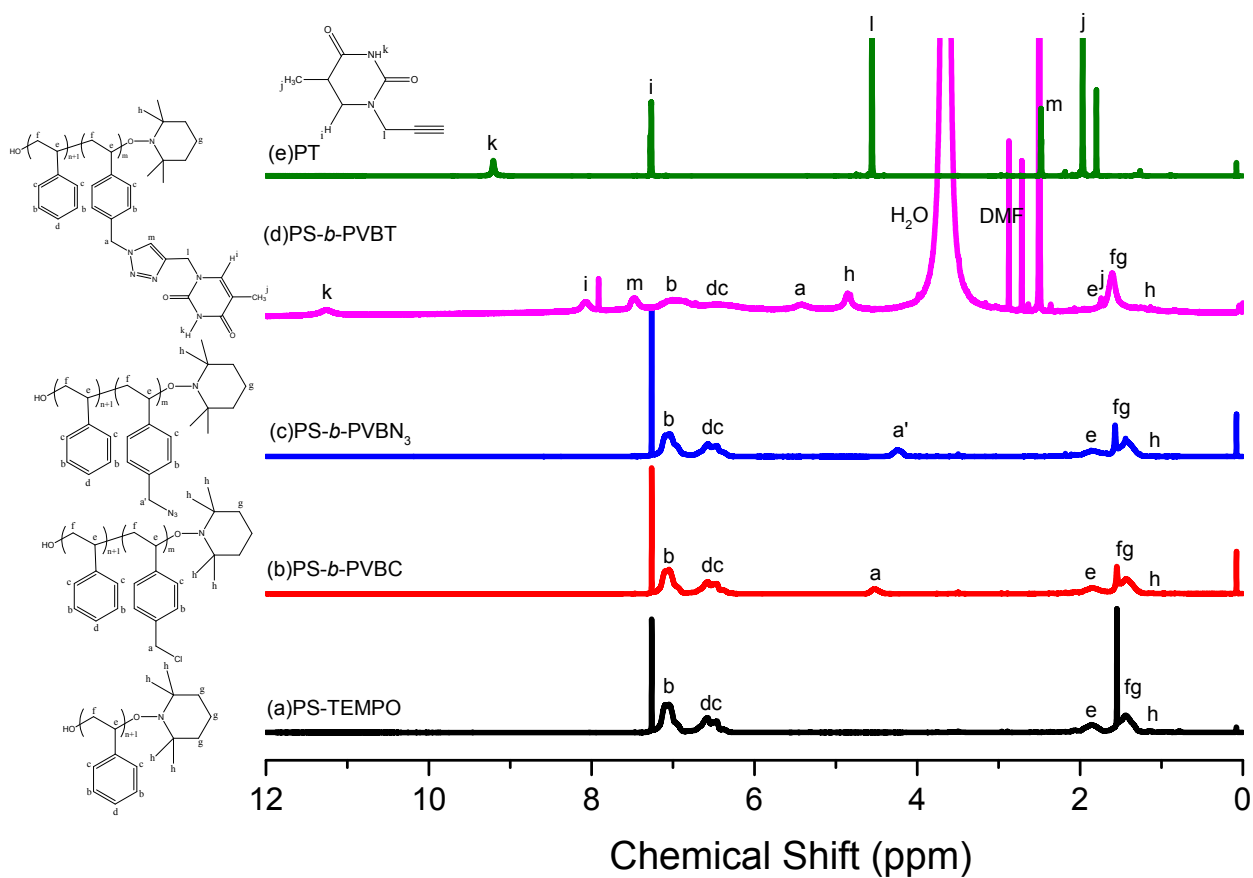


Figure S2: ^1H NMR spectra of (a) PS-TEMPO, (b) PS-*b*-PVBC, (c) PS-*b*-PVBN₃ in CDCl_3 , (d) PS-*b*-PVBT in d_6 -DMSO, and (e) PT.

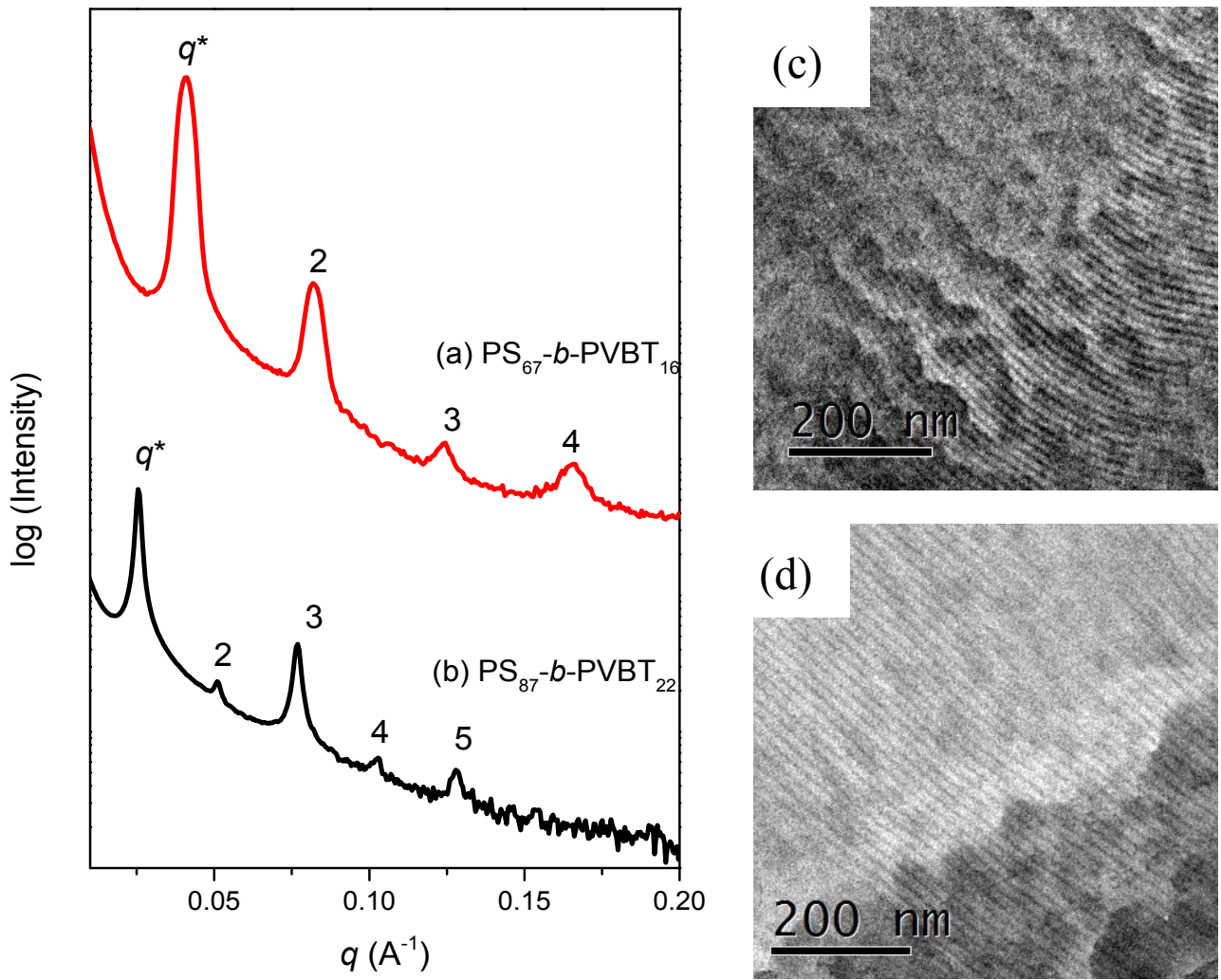


Figure S3: (a, b) SAXS patterns and (c, d) TEM images of (a, c) $\text{PS}_{67}\text{-}b\text{-PVBT}_{16}$ and (b, d) $\text{PS}_{87}\text{-}b\text{-PVBT}_{22}$.

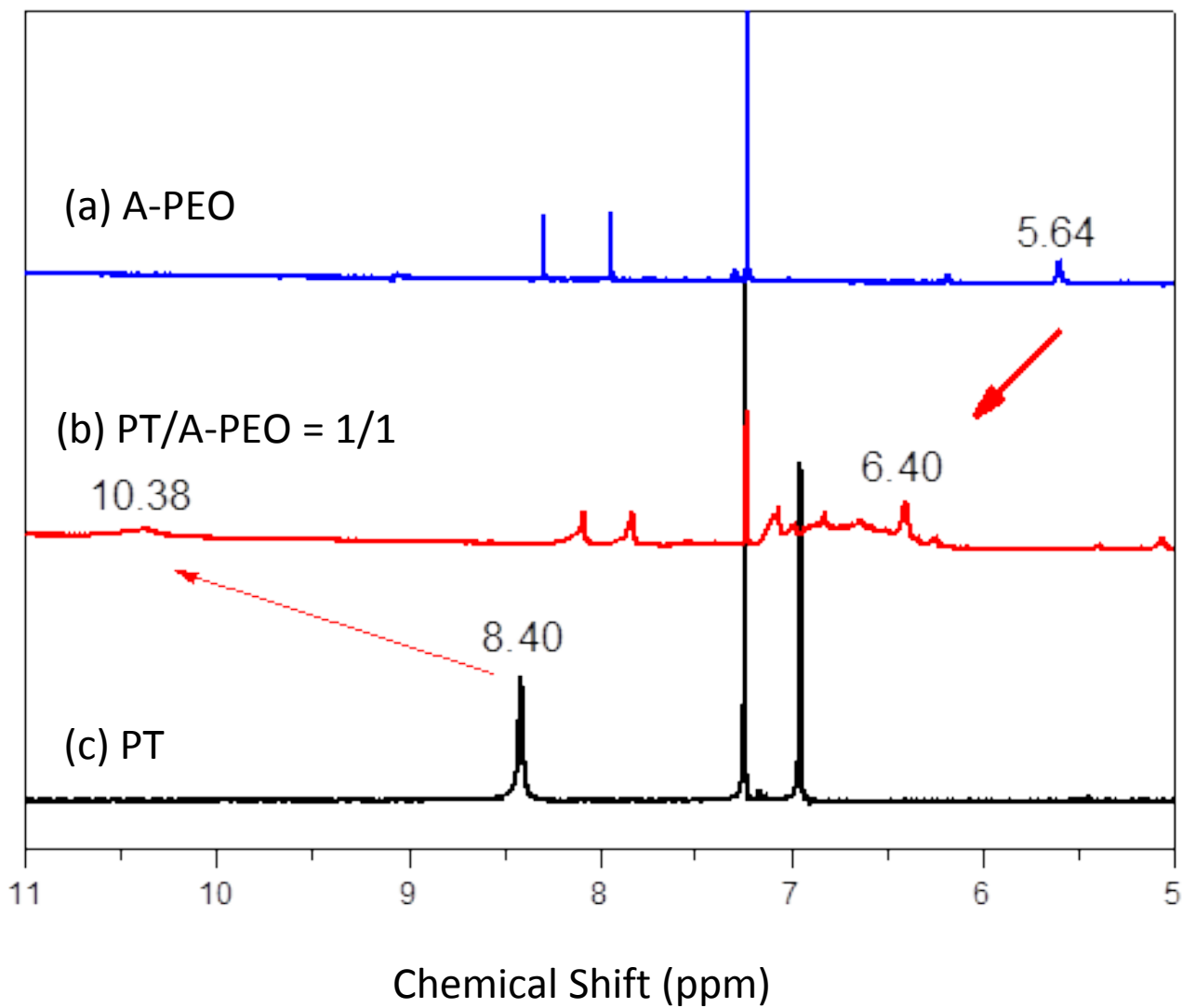


Figure S4: ^1H NMR spectra of (a) A-PEO, (b) A-PEO/PT (T/A = 1:1), and (c) PT.