

Supporting Information

Naturally-Derived Amphiphilic Polystyrenes Prepared by Aqueous Controlled/Living Cationic Polymerization and Copolymerization of Vinylguaiacol with R–OH/BF₃·OEt₂

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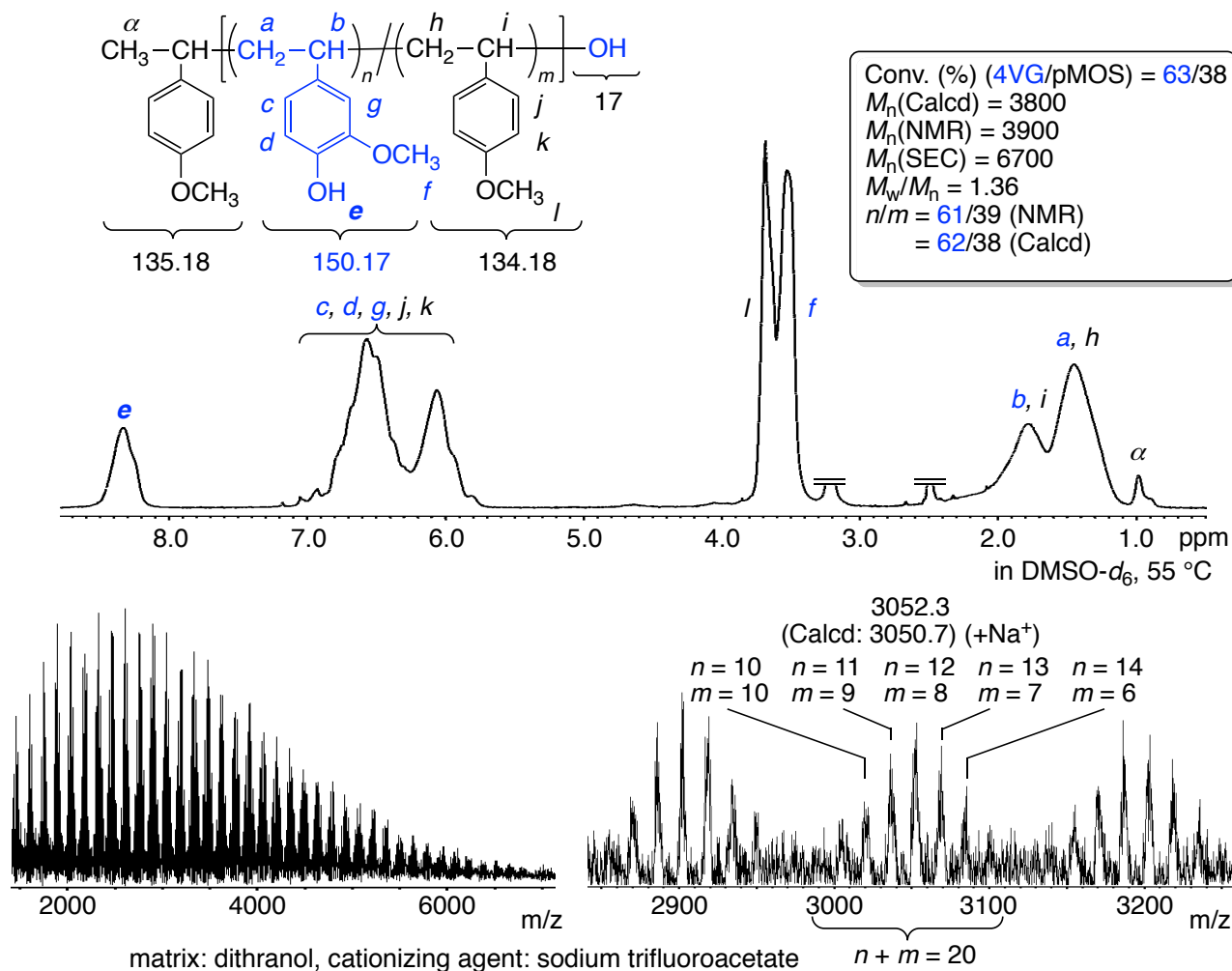


Figure S1. ¹H NMR and MALDI-TOF-MS spectra of the statistical random copolymer of 4VG and pMOS obtained with 1/BF₃·OEt₂ (the same experiments as for Figure 4 in the main text): [4VG]₀/[pMOS]₀/[1]₀/[BF₃·OEt₂]₀/[H₂O]₀ = 100/100/4.0/2.0/200 mM in CH₃CN/CH₂Cl₂ (8/2) at 0 °C.

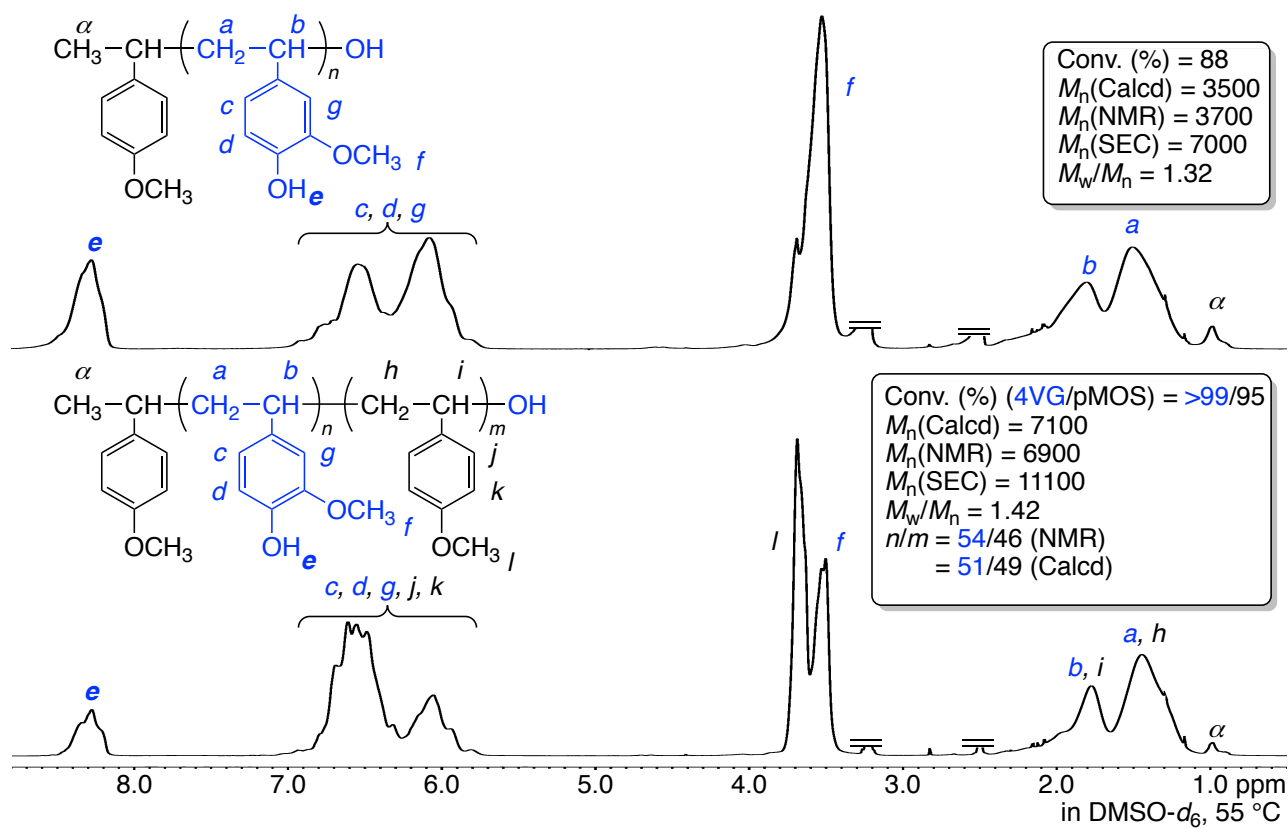


Figure S2. ^1H NMR spectra of poly(4VG) and 4VG-*b*-pMOS block copolymer obtained with $\mathbf{1}/\text{BF}_3\cdot\text{OEt}_2$ (the same experiments as for Figure 5 in the main text): $[\mathbf{4VG}]_0/[\text{pMOS}]_{\text{add}}/[\mathbf{1}]_0/[\text{BF}_3\cdot\text{OEt}_2]_0/[\text{H}_2\text{O}]_0 = 100/100/4.0/2.0/200$ mM in $\text{CH}_3\text{CN}/\text{CH}_2\text{Cl}_2$ (8/2) at 0 °C.