

Electronic Supplementary Information

Synthesis and Post-polymerization Modification of Poly(Pentafluorophenyl Methacrylate) Brushes

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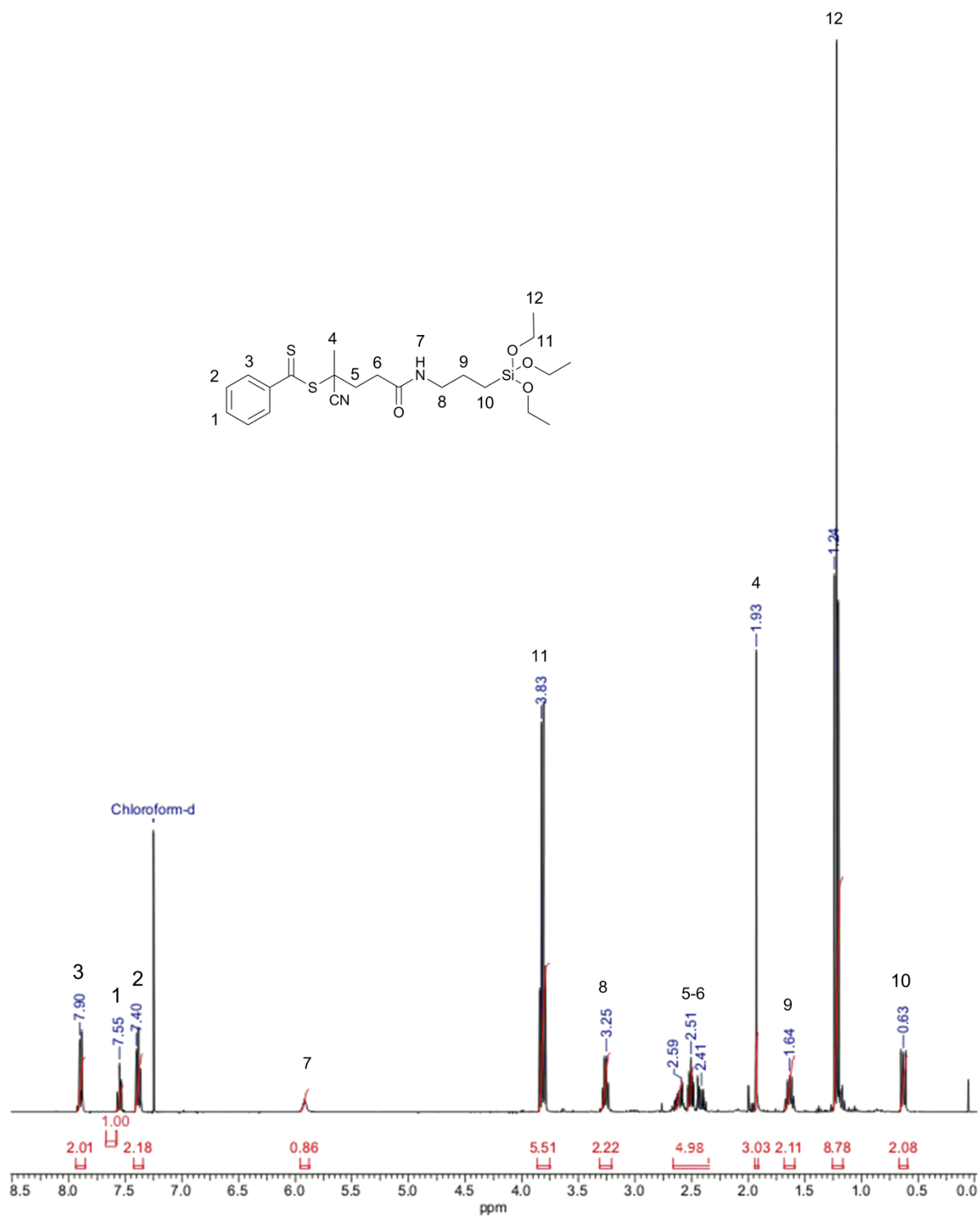


Figure S1: ¹H-NMR spectrum of the surface RAFT agent.

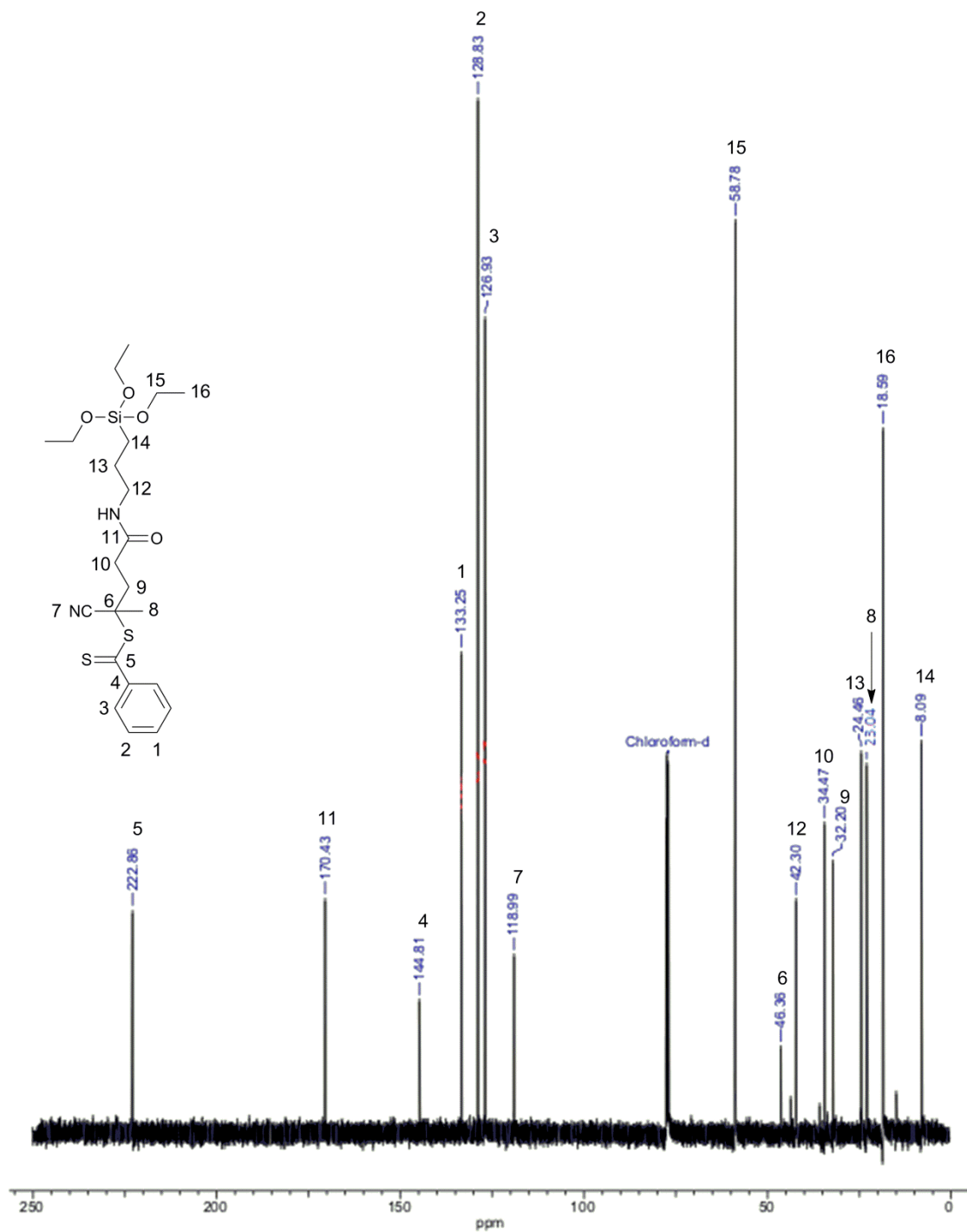


Figure S2: ¹³C-NMR spectrum of the surface RAFT agent.

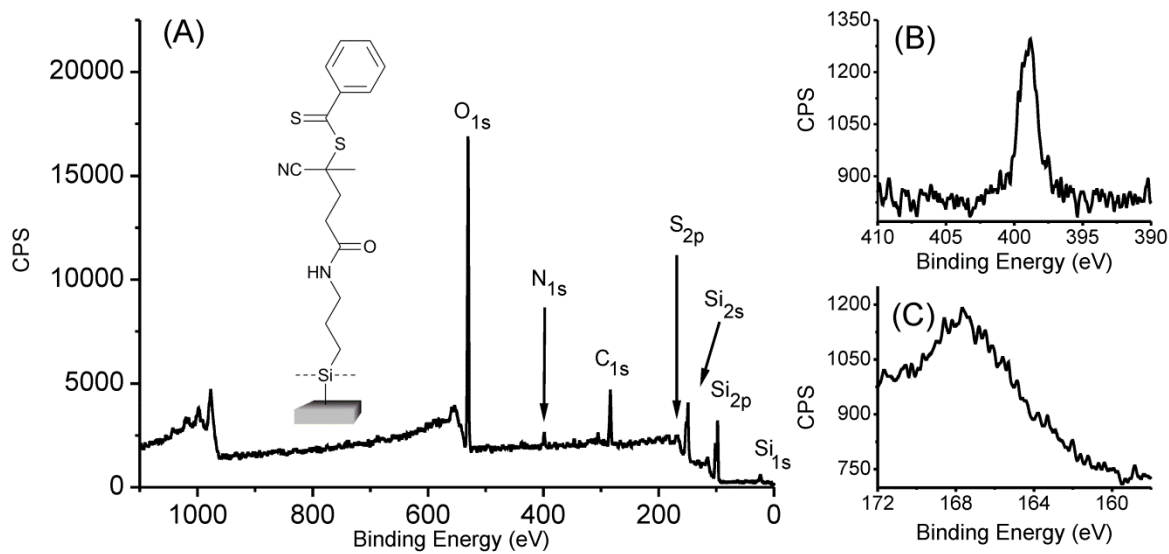


Figure S3: XPS survey (A) and high resolution scans of the N_{1s} (B) and S_{2p} (C) signals of the surface RAFT agent functionalized substrate.

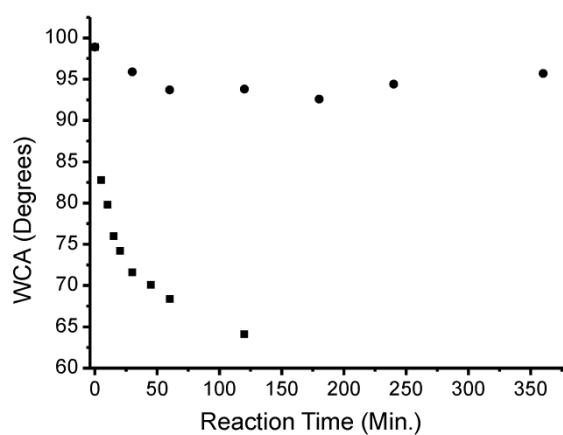


Figure S4: Evolution of the water contact angle (WCA) for the post-polymerization modification of PPFMA brushes with ethanolamine in DMF (■) and water (●) as a function of reaction time.

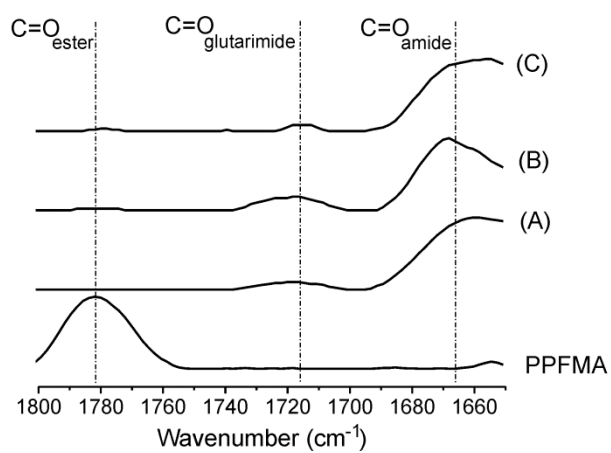


Figure S5: FTIR spectra of PPFMA brushes postmodified in DMF with: (A) ethanolamine (2 h, 98 %) (B) aminomethylthiophene (20 h, 92%), (C) 1-amino-2-propanol (2 h, 96%) between 1650 to 1800 cm⁻¹.