

Construction of dual-functional polymer nanomaterials with near-infrared fluorescence imaging and polymer prodrug by RAFT mediated aqueous dispersion polymerization

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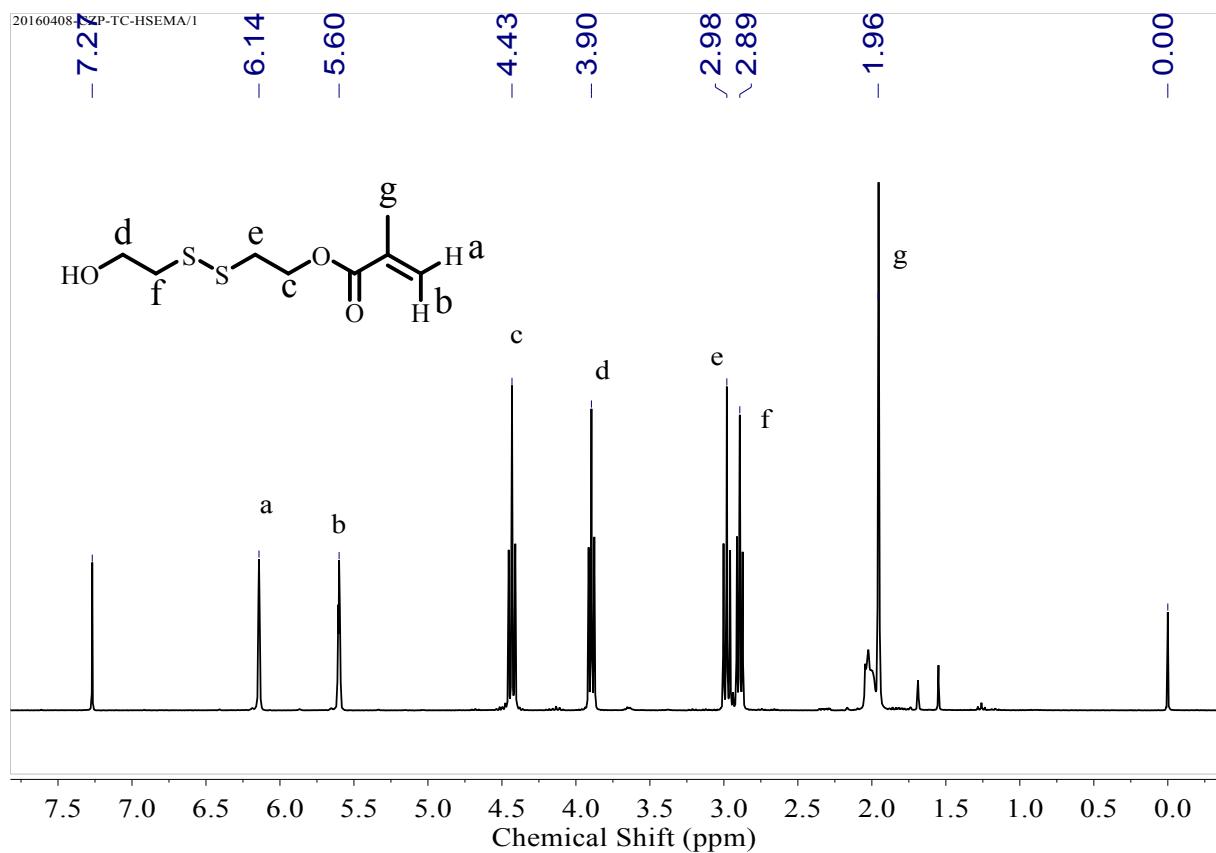


Figure S1. ^1H NMR (300 MHz) spectrum recorded for HSEMA in CDCl_3 .

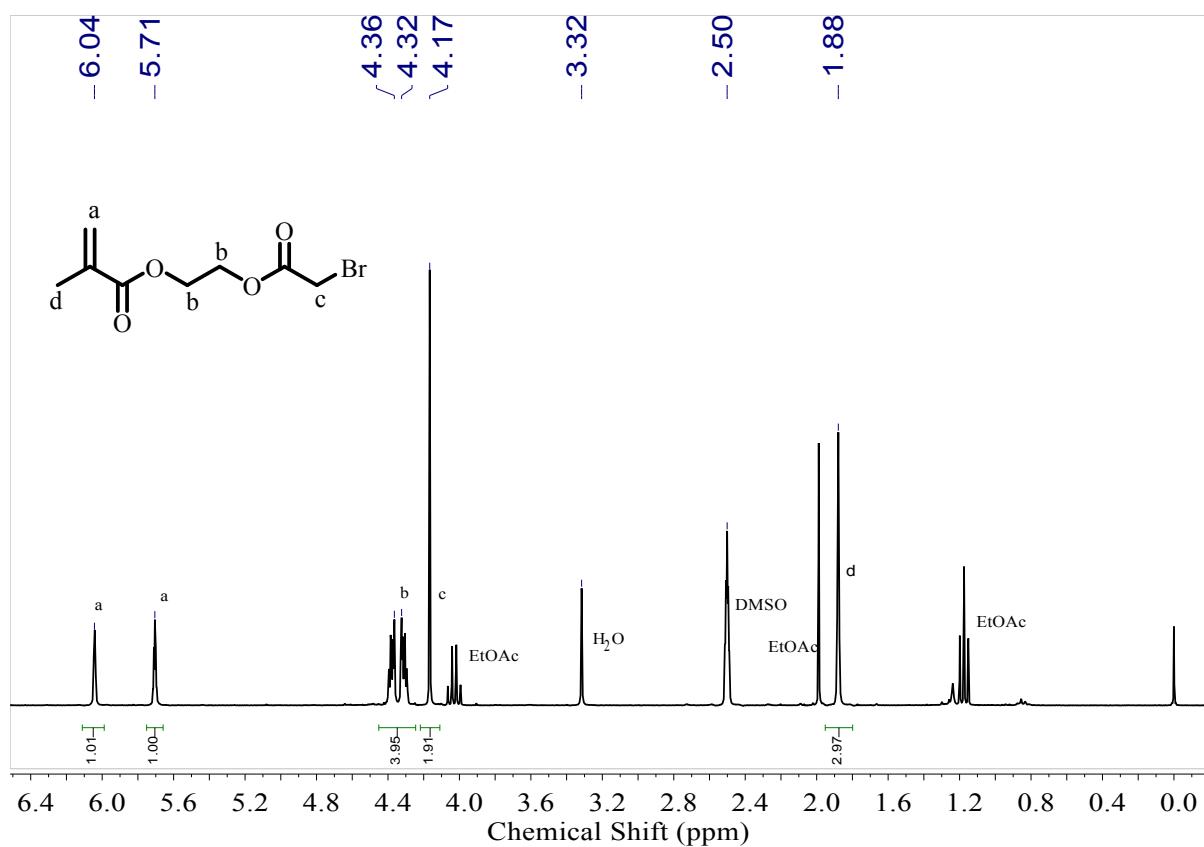


Figure S2. ^1H NMR (300 MHz) spectrum recorded for compound 5 in DMSO-d_6 .

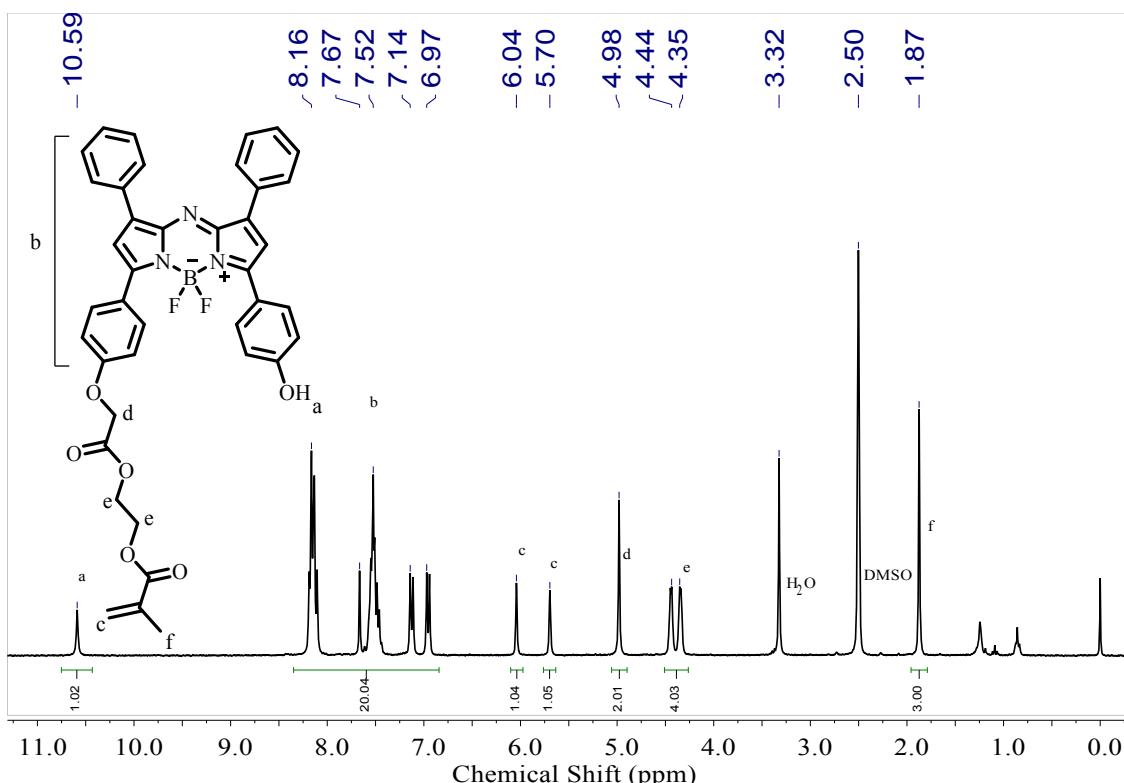


Figure S3. ^1H NMR (300 MHz) spectrum recorded for NIRM in DMSO-d_6 .

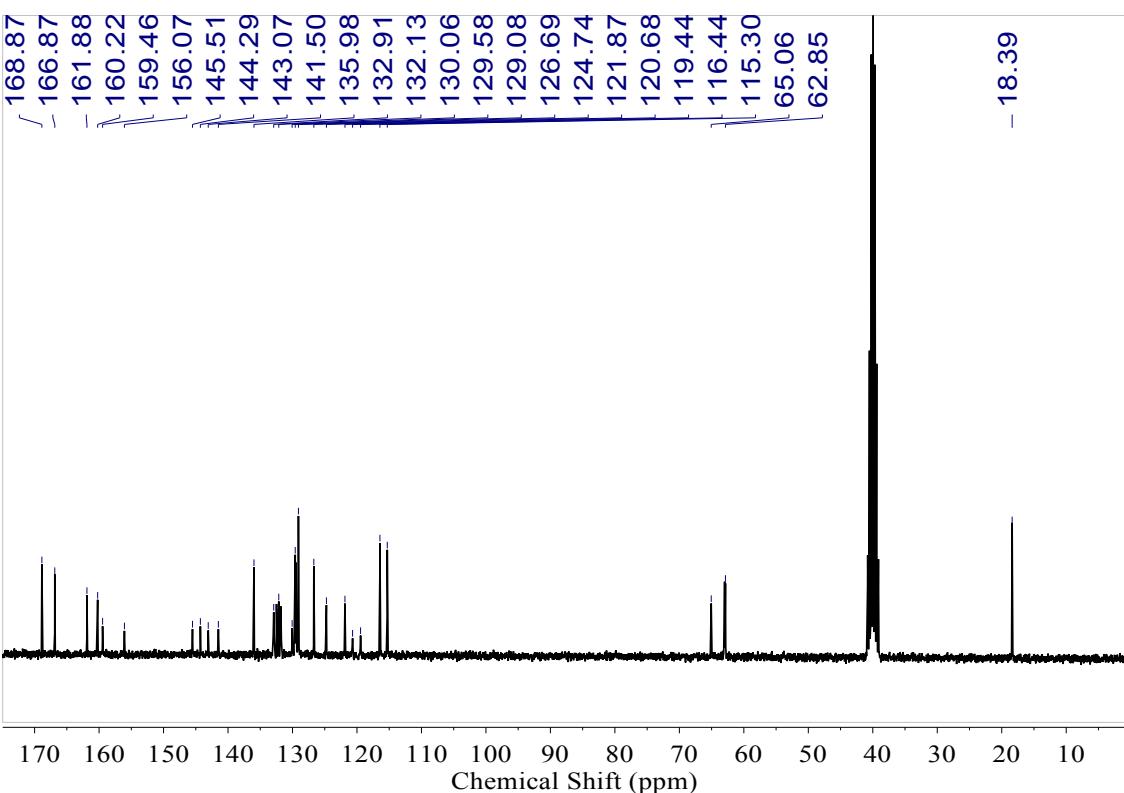


Figure S4. ^{13}C NMR (75 MHz) spectrum recorded for NIRM in DMSO-d_6 .

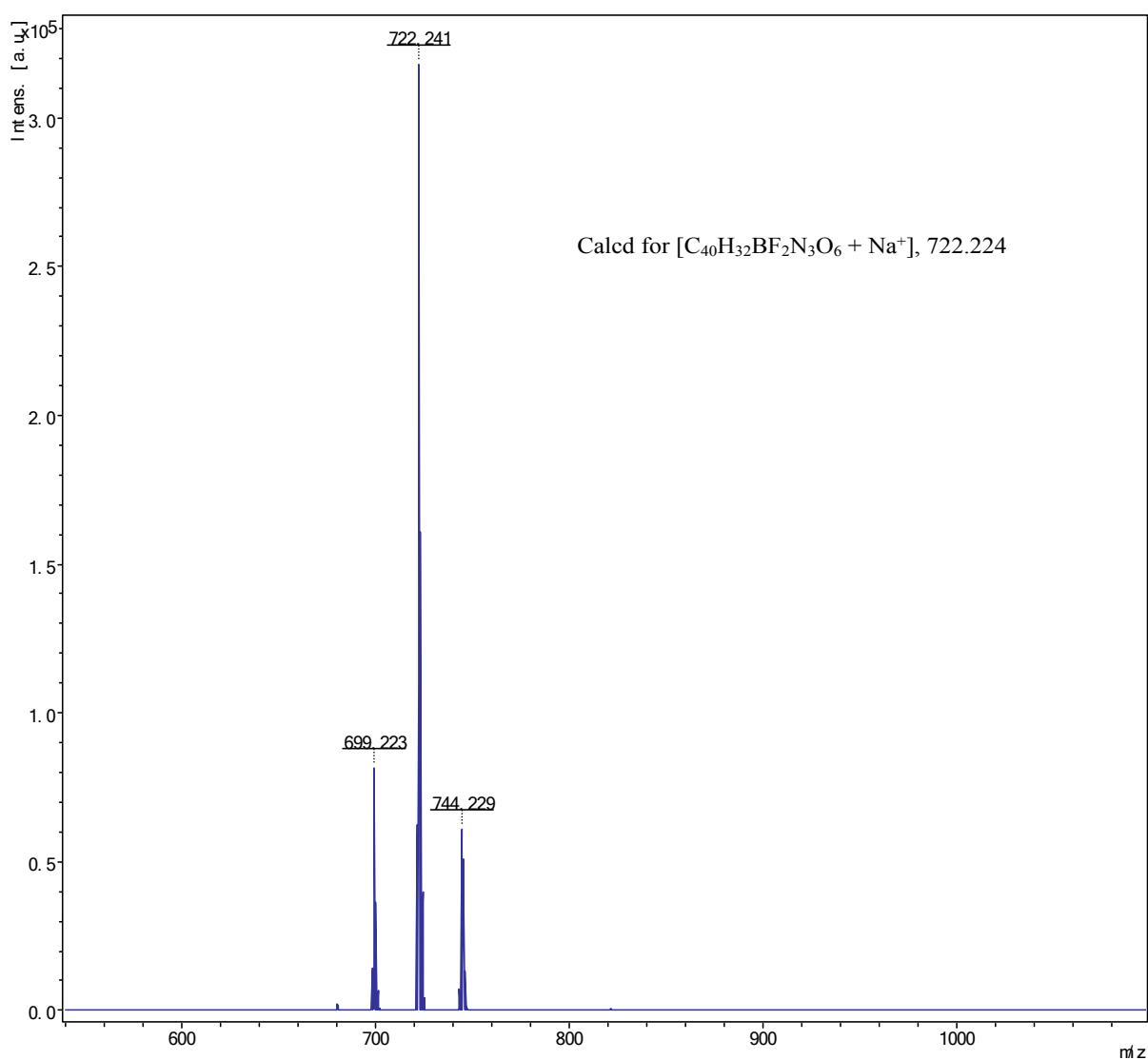


Figure S5. MALDI-TOF MS for NIRM in CHCl₃.

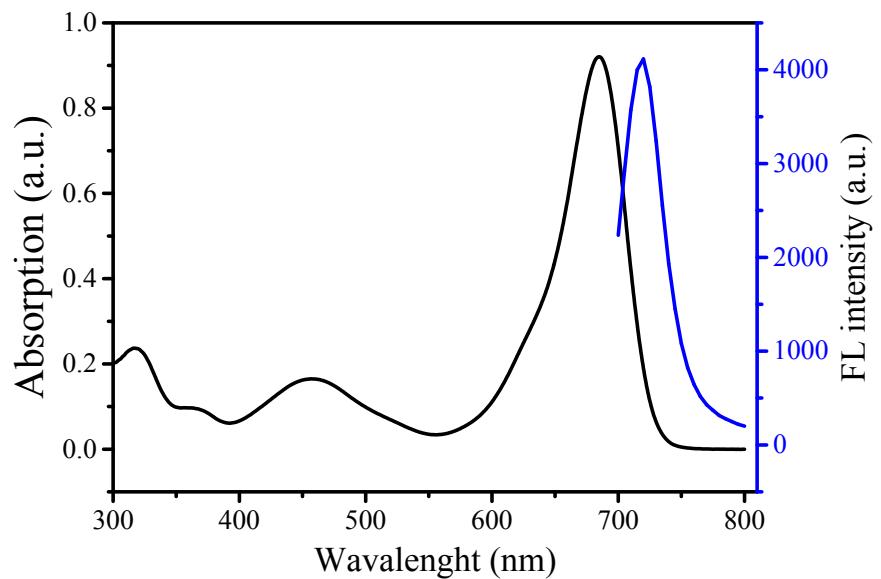


Figure S6. UV-vis absorption spectra of NIRM ($10 \mu\text{M}$) in CHCl_3 (black line) and fluorescence spectra of NIRM ($10 \mu\text{M}$) in CHCl_3 (blue line) excited at 680 nm.

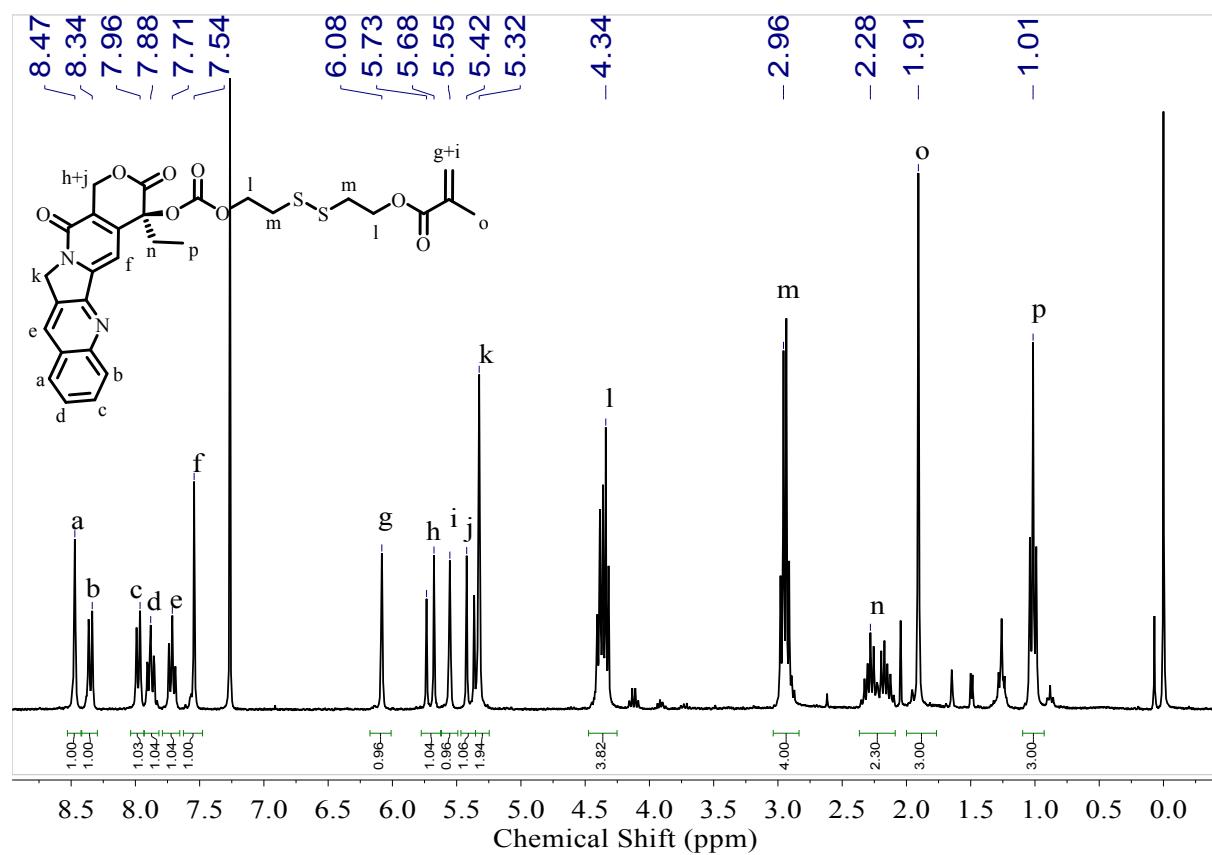


Figure S7. ^1H NMR (300 MHz) spectrum recorded for CPTM in CDCl_3 .

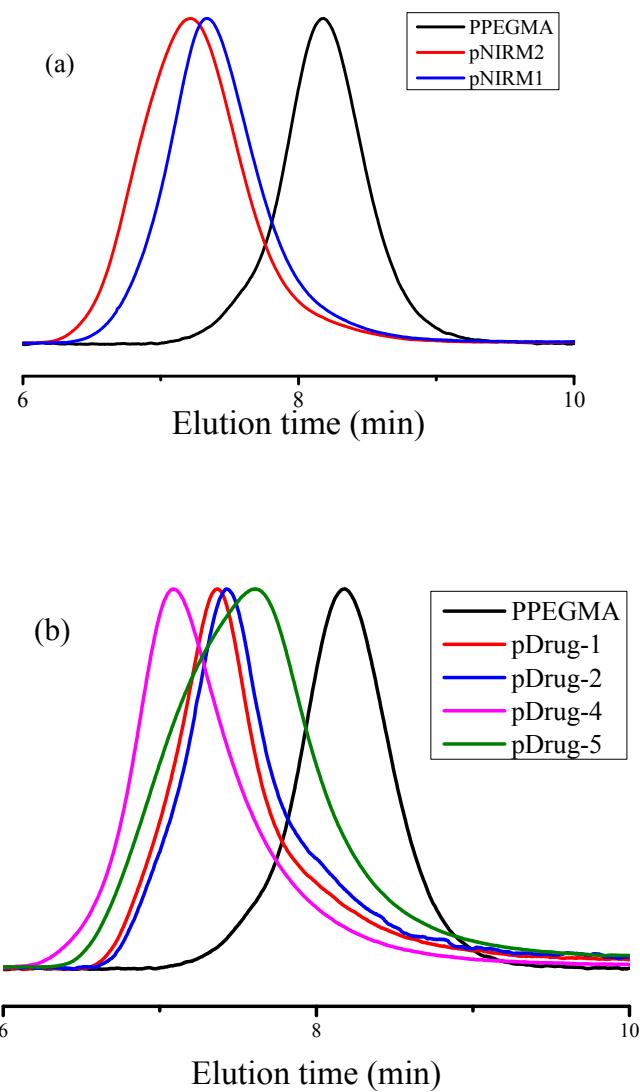


Figure S8. GPC traces of the PPEGMA, pNIRM and pCPTM (THF was used as the eluent).

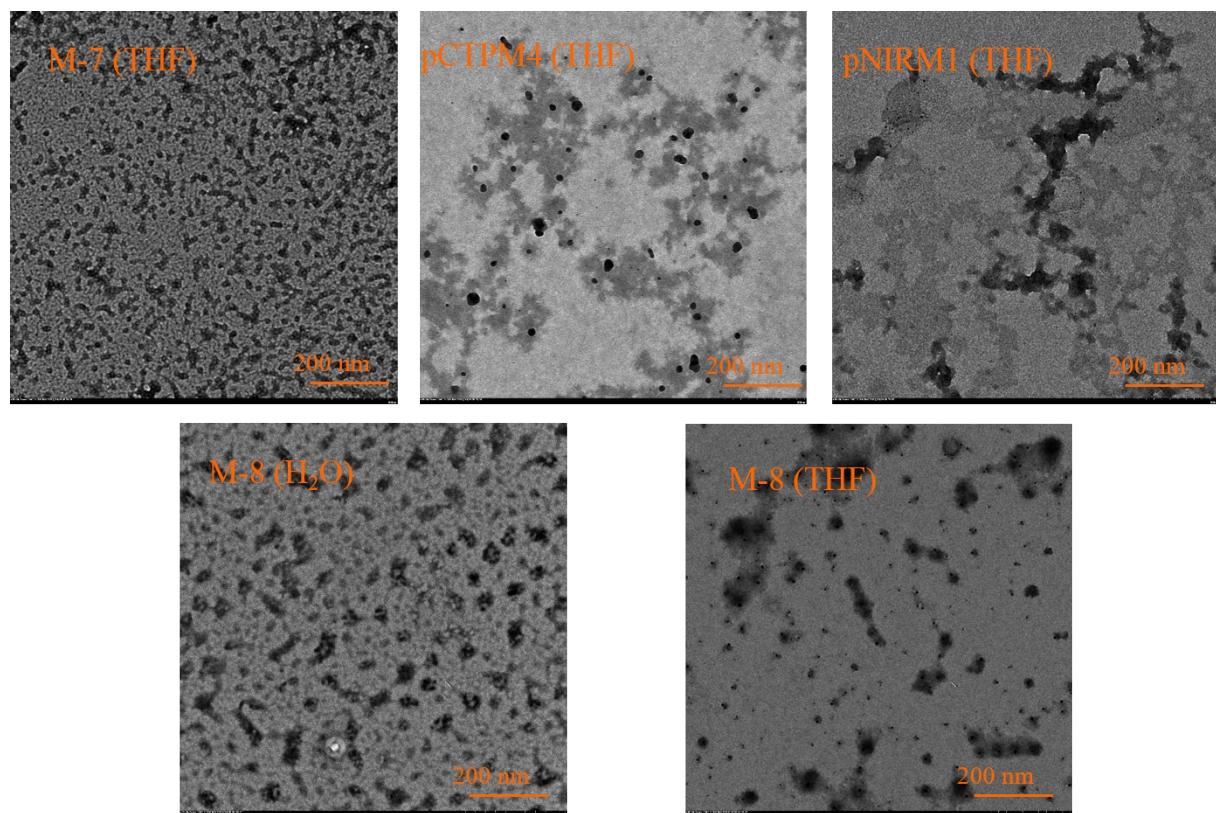


Figure S9. TEM images of the compared NPs prepared by RAFT dispersion polymerizations. Sample details are shown in Table 2.