

Supplementary Information

pH-Responsive Star Polymer Nanoparticles: Potential ^{19}F MRI Contrast Agents for Tumour-selective Imaging

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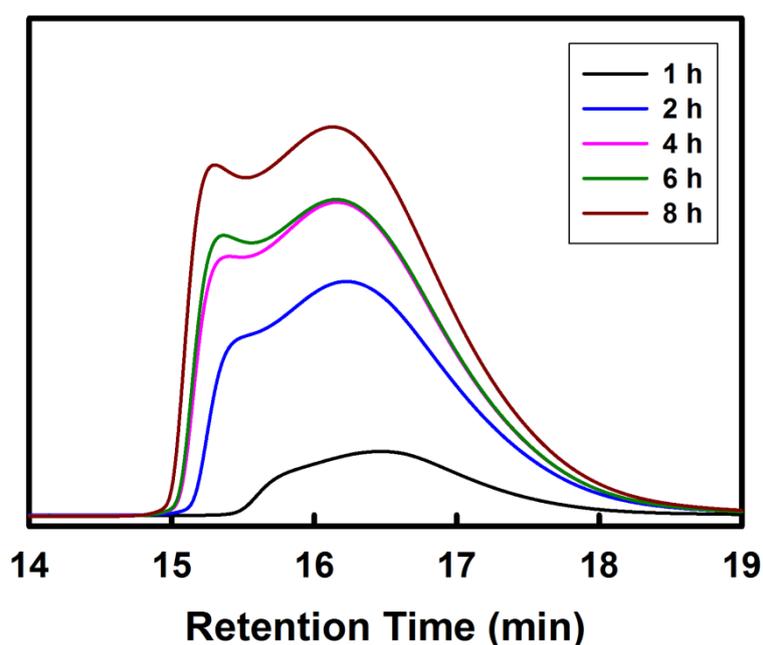


Fig. S1 GPC curves of the synthesis of PPEGMA using S-1-dodecyl-S'-(α,α' -dimethyl- α'' -acetic acid) trithiocarbonate as CTA. [PEGMA] : [CTA] : [AIBN] = 50:1:0.1, 70 °C, [PEGMA] = 1 M in toluene.

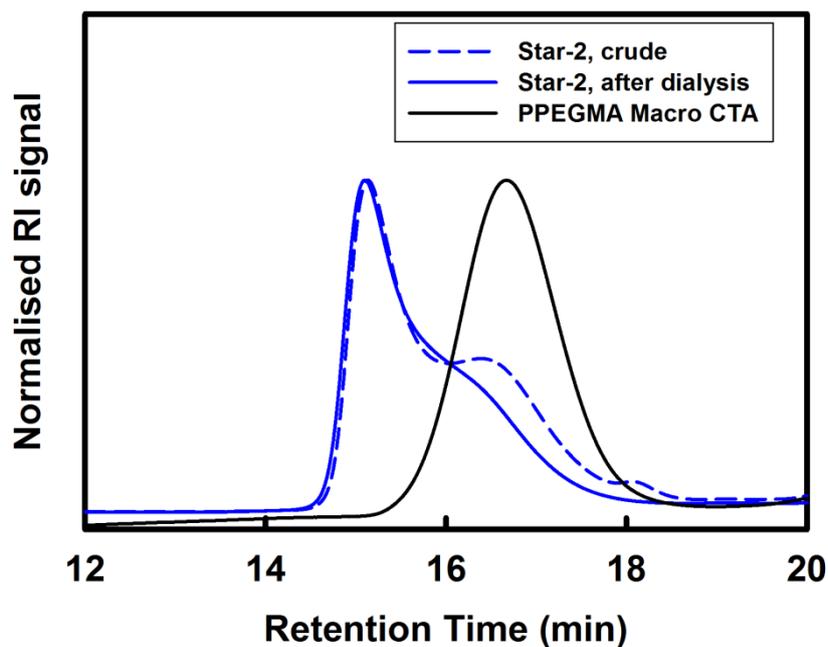


Fig. S2 GPC traces of Star-2 before and after dialysis. [Macro-CTA] : [TFEA] : [DMAEMA] : [EGDMA] : [AIBN] = 1 : 8 : 24 : 8 : 0.2. Polymerised in THF at 70 °C for 24 h, [monomer] = 0.5 M.

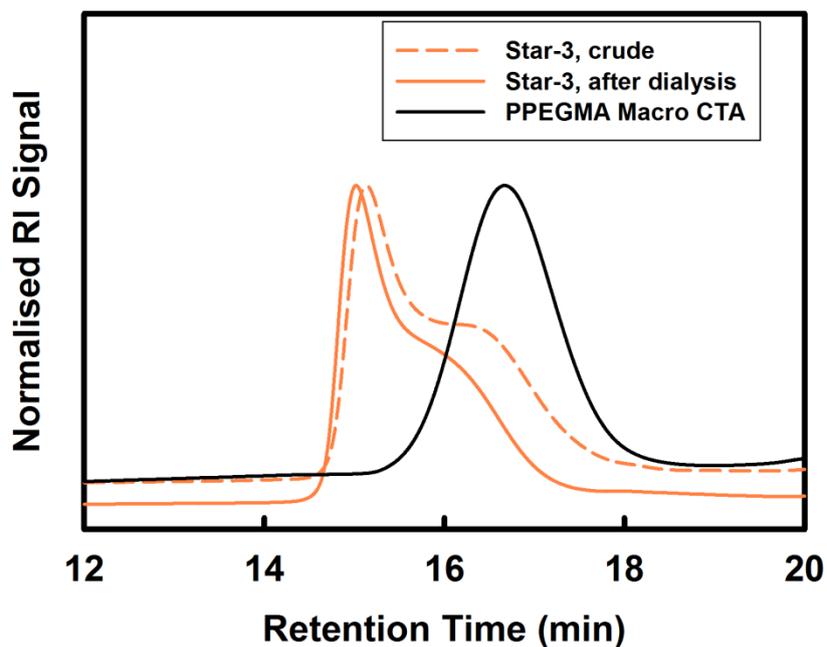


Fig. S3 GPC traces of Star-3 before and after dialysis. [Macro-CTA] : [TFEA] : [DMAEMA] : [EGDMA] : [AIBN] = 1 : 16 : 16 : 8 : 0.2. Polymerised in THF at 70 °C for 24 h, [monomer] = 0.5 M.