Supporting Information for *Polymer Chemistry* **manuscript:**

Facile Synthesis of Thiol-Functionalized

Amphiphilic Polylactide-Methacrylic Diblock Copolymers

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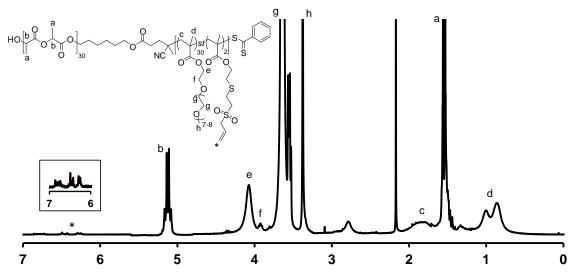


Figure S1. ¹H NMR spectrum (CDCl₃) recorded for a PLA₃₀-P(OEGMA₃₀-stat-VSTEMA₂) linear diblock copolymer after functionalization with divinyl sulfone.

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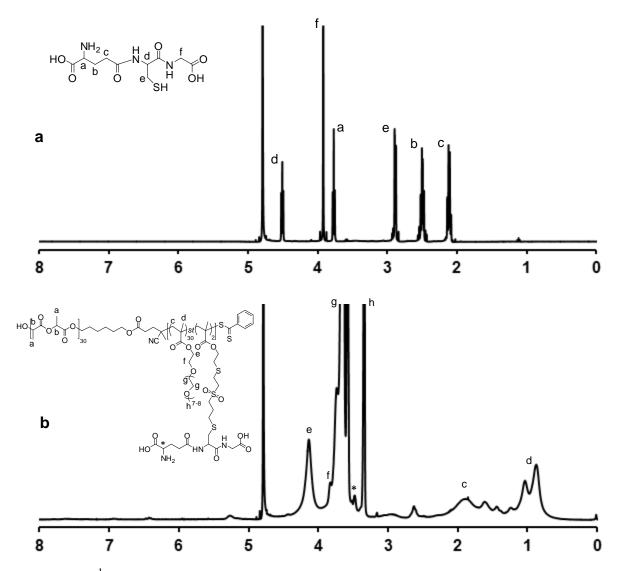


Figure S2. ¹H NMR (D₂O) spectra of (a) *L*-glutathione in D₂O and (b) PLA₃₀-P(OEGMA₃₀-stat-GluVSTEMA₂) diblock copolymer.

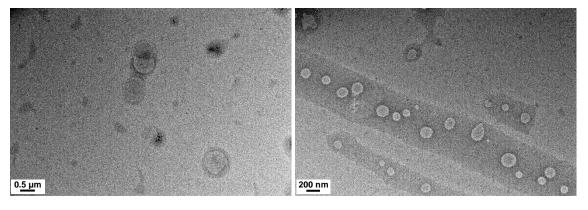


Figure S3. TEM images obtained for the PLA₂₇-PGMA₂₉ diblock copolymer particles prepared by two-step ROP-RAFT polymerization in 1,2-dichloroethane. No staining was used for this sample.

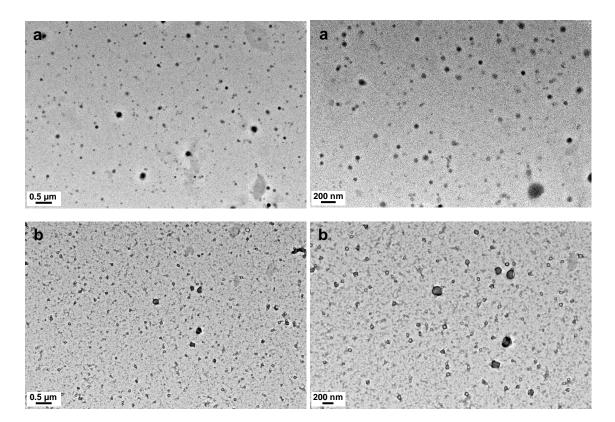


Figure S4. TEM images obtained after an acetone-to-water solvent switch for indium-conjugated PLA₃₀-P(DMA₃₀-stat-InDOTATEMA₂) diblock copolymer particles prepared by simultaneous ROP-RAFT polymerization: (a) no stain and (b) uranyl formate was used as a staining agent.