

Multilayered hollow nanostructures from self-assembled supramolecular metallo-triblock copolymers

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Supporting Information

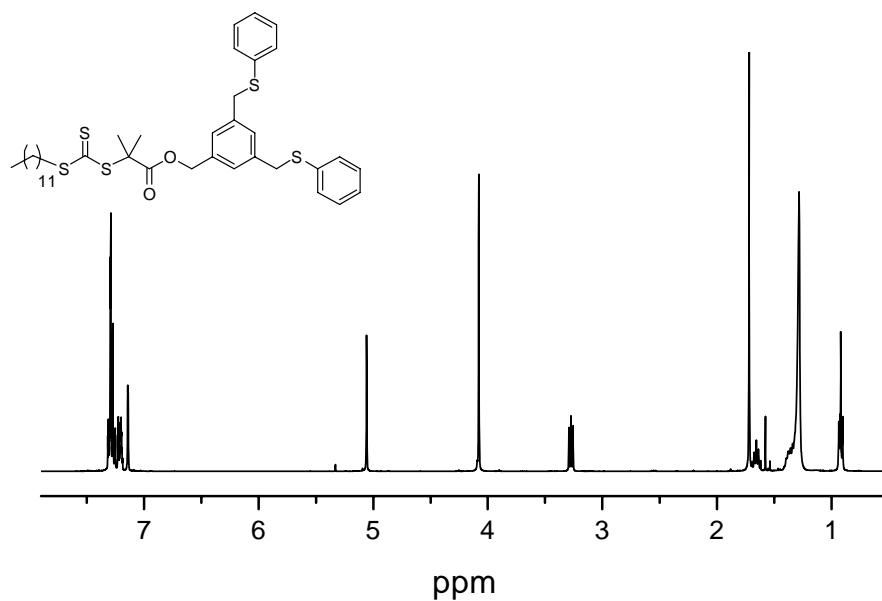


Figure S1. ¹H NMR spectrum of CTA, **1** in CDCl₃.

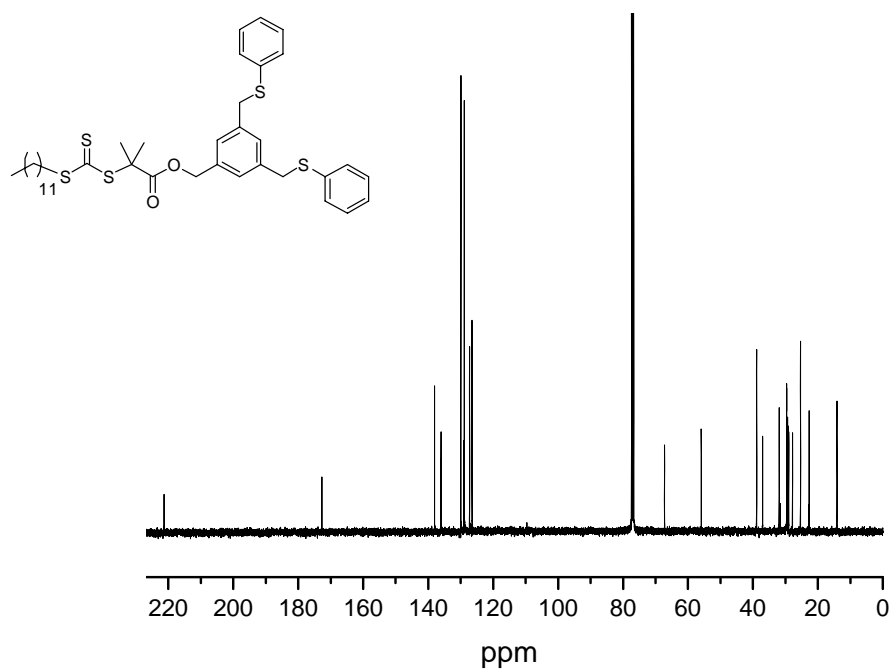


Figure S2. ¹³C NMR spectrum of CTA, **1** in CDCl₃.

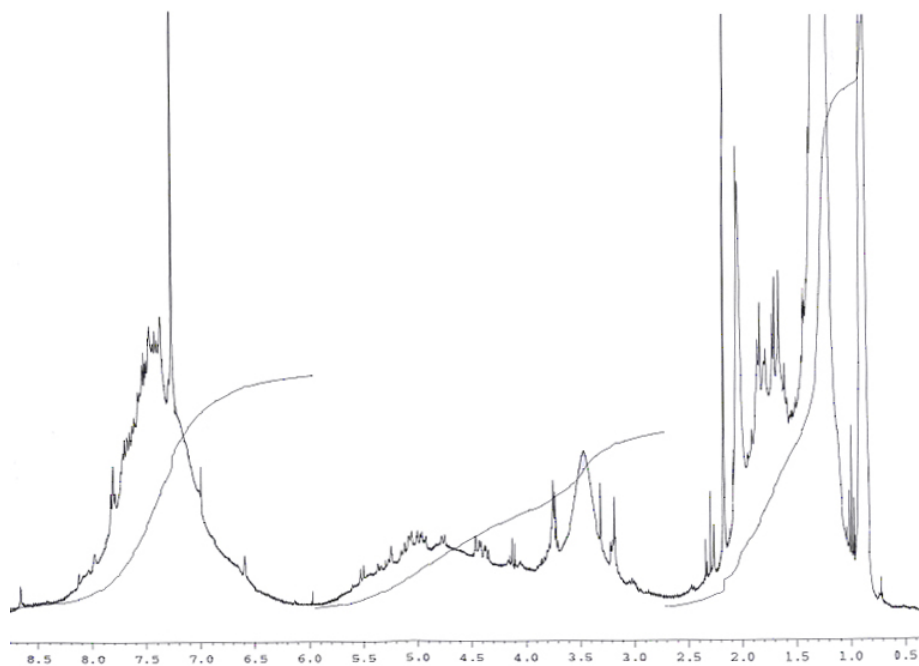


Figure S3. ^1H NMR spectrum of CTA, **1** plus 1.05 equiv. of palladium(II) in CDCl_3 .

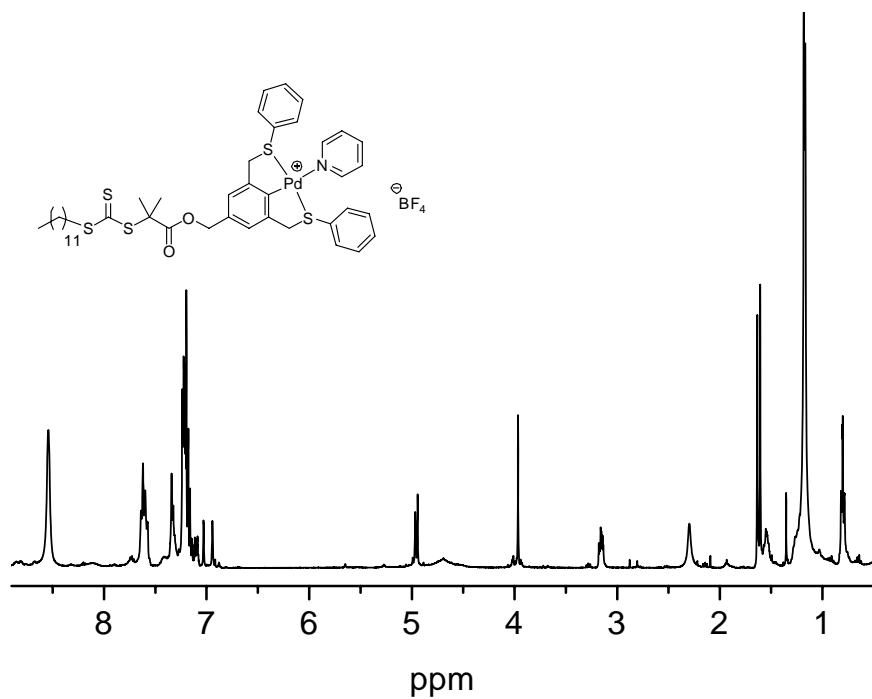


Figure S4. ^1H NMR spectrum of complex shown with 1.1 equiv. of pyridine in CDCl_3 .

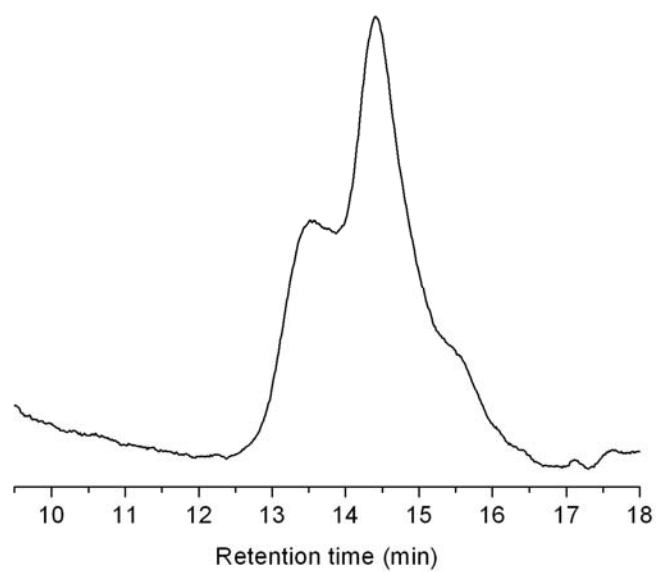


Figure S5. GPC RI trace for polymer **3a** run in THF.

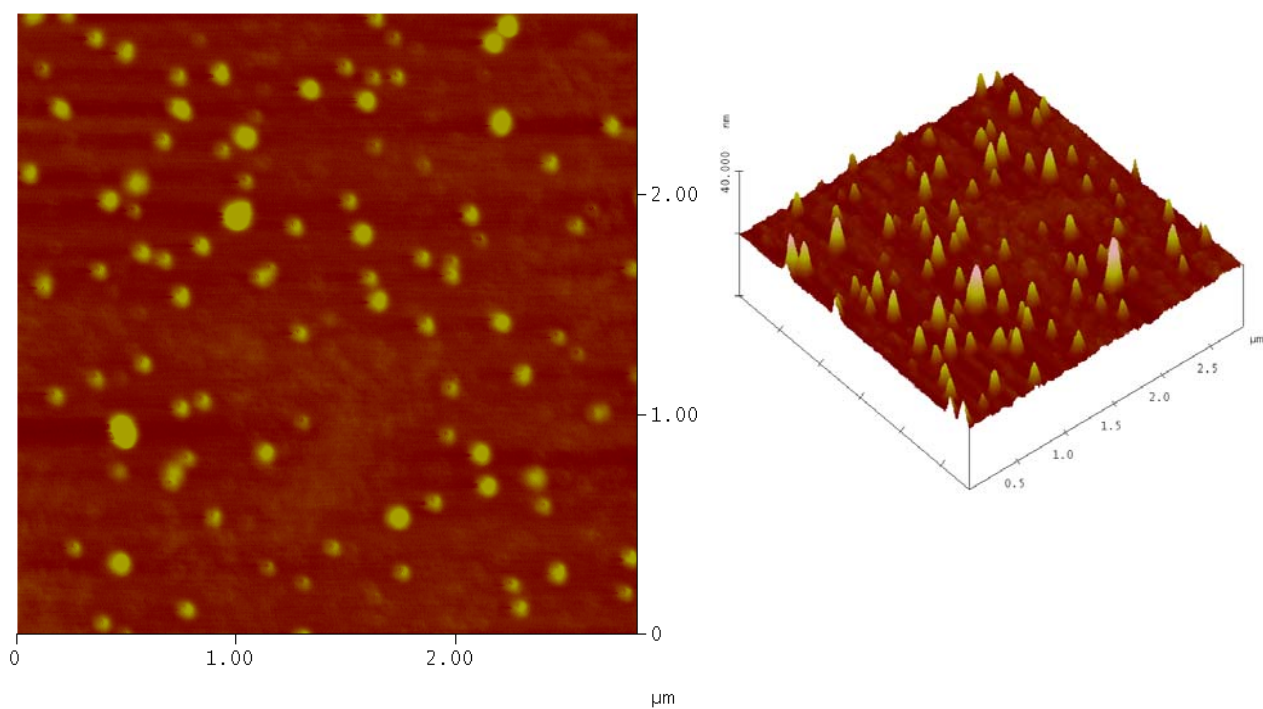


Figure S6. Tapping mode AFM images of nanocages **11**

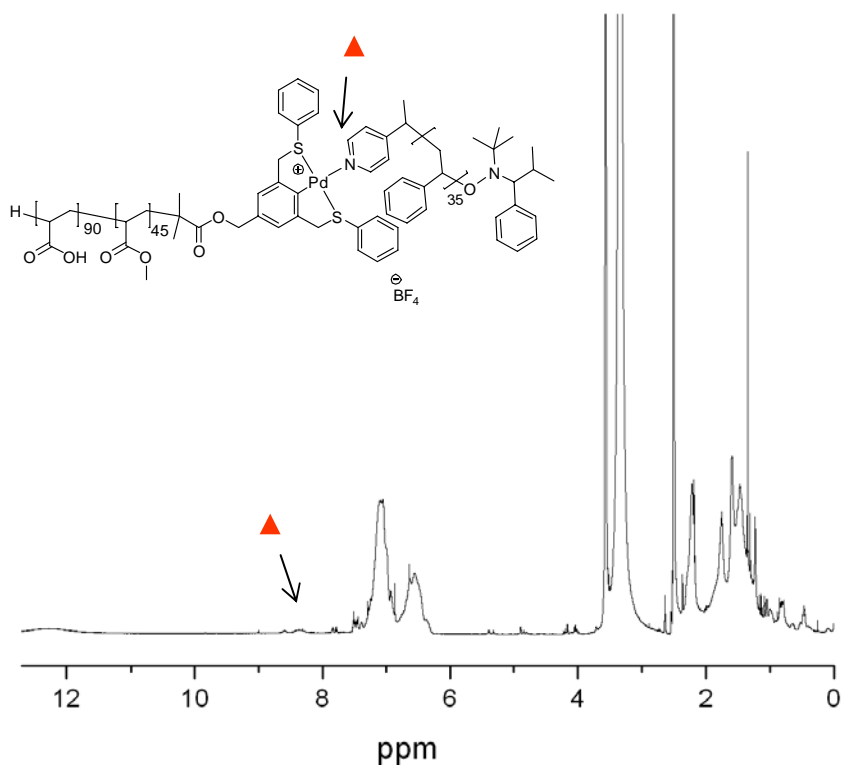


Figure S7. ^1H NMR spectrum of triblock, **8** in DMSO-d_6 showing key signal for pyridine unit upon metal complexation at 8.3 ppm.

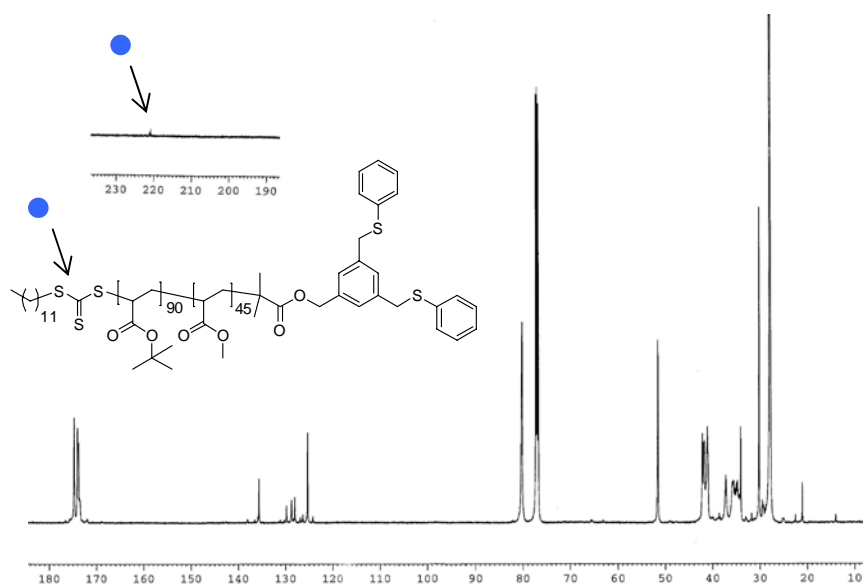


Figure S8. ^{13}C NMR spectrum of diblock, **3** in CDCl_3 showing key signal for trithiocarbonate at 221 ppm.

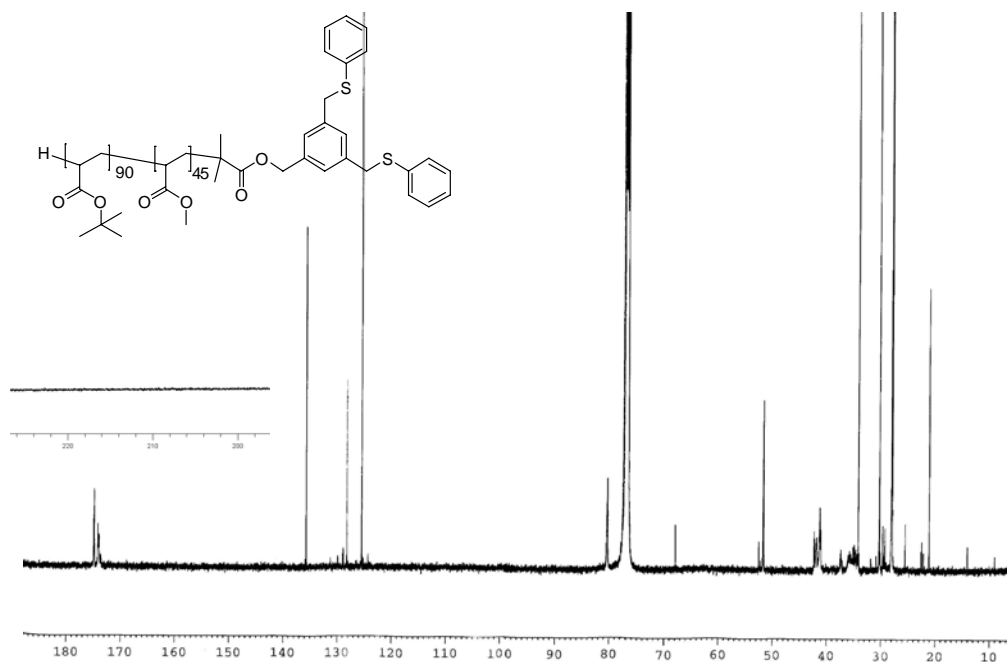


Figure S9. ^{13}C NMR spectrum of end capped diblock, **4** in CDCl_3 showing the loss of the trithiocarbonate signal at 221 ppm.

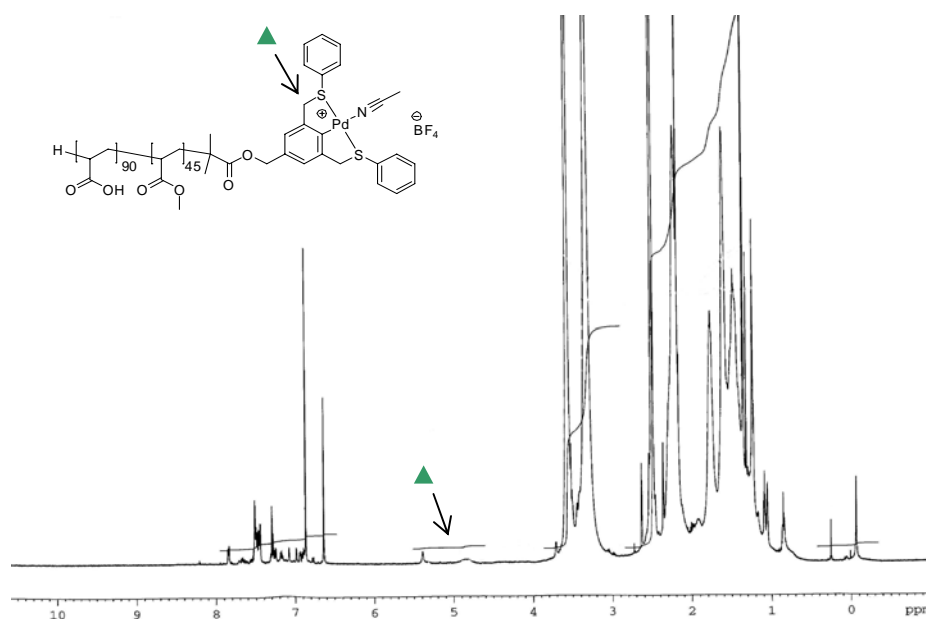


Figure S10. ^1H NMR spectrum of Pd complexed amphiphilic diblock, **6** in DMSO-d_6 showing key signal for pincer unit after metal complexation and deprotection at 4.8 ppm.

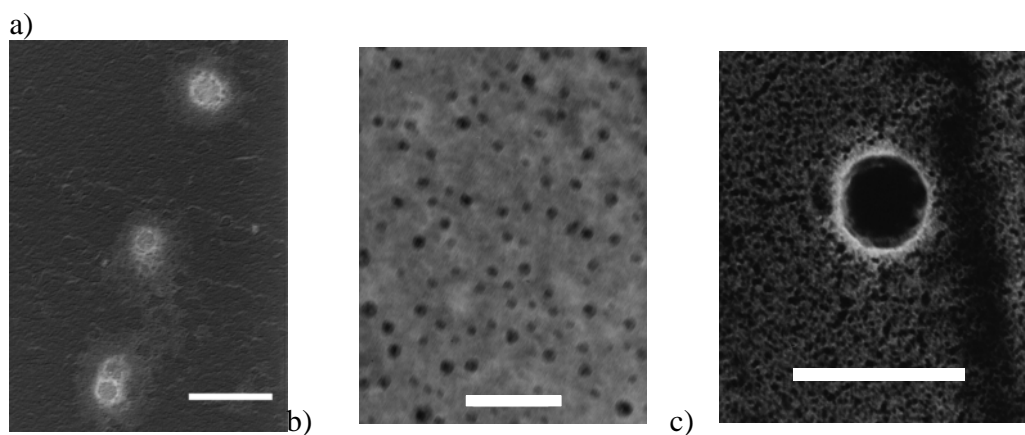


Figure S11. Negative images are shown for clarity; a) Unstained TEM image of **10** (scale bar = 100 nm) b) PTA stained TEM image of **10** (scale bar = 100 nm) c) Uranyl acetate stained TEM image of **10** (scale bar = 100 nm)

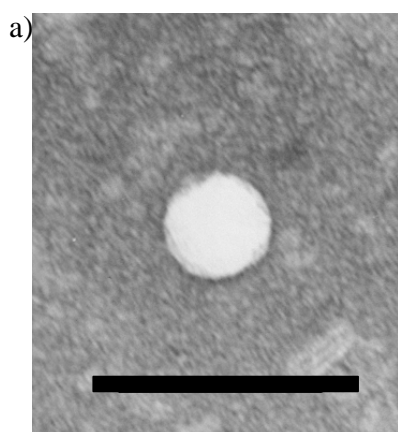


Figure S12. PTA stained TEM image of **11** (scale bar = 200 nm) (Positive image are shown for clarity)