Supporting information for:

Drug-loaded, bivalent-bottle-brush polymers by graft-through ROMP

Jeremiah A. Johnson, Ying Y. Lu, Alan O. Burts, Alec C. Durrell, Yan Xia, David A. Tirrell, Robert H. Grubbs

Division of Chemistry and Chemical Engineering, California Institute of Technology, 1200 E. California Blvd., Pasadena, California 91125



Figure S1. MALDI spectrum for PEG-norbornene-alkyne 7.



Figure S2. 500 MHz ¹H NMR spectrum of 7 in CDCl₃.



Figure S3. 500 MHz ¹³C NMR spectrum of 7 in CDCl₃.



Figure S4. MALDI spectrum of CT-MM



Figure S5. 500 MHz ¹H NMR spectrum of **CT-MM** in CD₂Cl₂.



Figure S6. MALDI spectrum of DOX-MM



Figure S7. 500 MHz ¹H NMR spectrum of **DOX-MM** in CD_2CI_2 .



Figure S8. 600 MHz ¹H NMR spectrum of **pCT** in CD_2Cl_2 immediately after ROMP.



Figure S9. 600 MHz ¹H NMR spectrum of **pDOX03** in DMSO-d₆ immediately after ROMP.



Figure S10. LC calibration curves for DOX and CT.