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Supporting Information

Crosslinked micelles based on dimeric lipoic acid phospholipid for redox-

responsive release of paclitaxel

Man Li^a, Longbing Ling^a, Qing Xia^a, Xinsong Li^{a, **} School of Chemistry and Chemical Engineering, Southeast University, Nanjing211189, P R China

[†] These authors contributed equally to this work.

* Corresponding author: Xinsong Li, Ph D, Email: lixs@seu.edu.cn

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Figure S1. TOF-MS analysis of compound 2.



Figure S2. ¹H NMR spectrum of compound 2 in CDCl₃.



Counts vs. Mass-to-Charge (m/z)







Figure S4. ¹H NMR spectrum of compound 3 in CDCl₃.



Figure S5. TOF-MS analysis of di-TBS-PC conjugate.



5.0 4.5 4.0 3.5 Chemical Shift (ppm) 8.5 7.5 8.0 7.0 6.5 6.0 5.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0. Figure S6. ¹H NMR spectrum of di-TBS-PC conjugate in CDCl₃.



Figure S7. Size distribution and polydispersity index of non-crosslinked di-LA-PC micelles determined by DLS.



Figure S8. TEM image of non-crosslinked di-LA-PC micelles.



Figure S9. Size change of crosslinked di-LA-PC micelles stored at 37 °C in PBS solution with 10% FBS for 48 h. Error bar indicates SD (n = 3).