

Supporting Information

Synthesis and Characterization of Star-Shaped Poly(ϵ -Caprolactone)-*b*- Poly(2-Dimethylaminoethyl Methacrylate) for Co-delivery of Plasmid DNA and Doxorubicin

Yu-Lun Lo¹, Guo-Jing Chen¹, Tzu-Hwa Feng¹, Ming-Han Li¹, and Li-Fang Wang,^{1,2}*

¹Department of Medicinal & Applied Chemistry, College of Life Science,

Kaohsiung Medical University

²Department of Biotechnology, College of Life Science, Kaohsiung Medical University

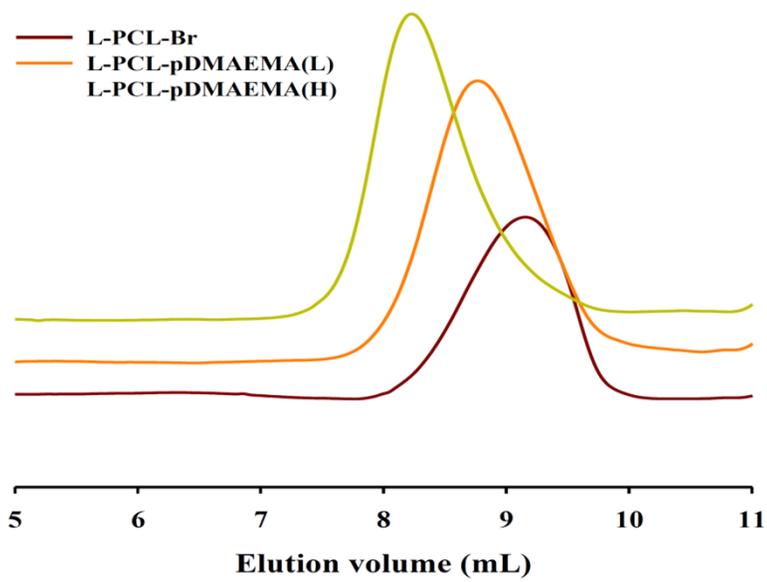
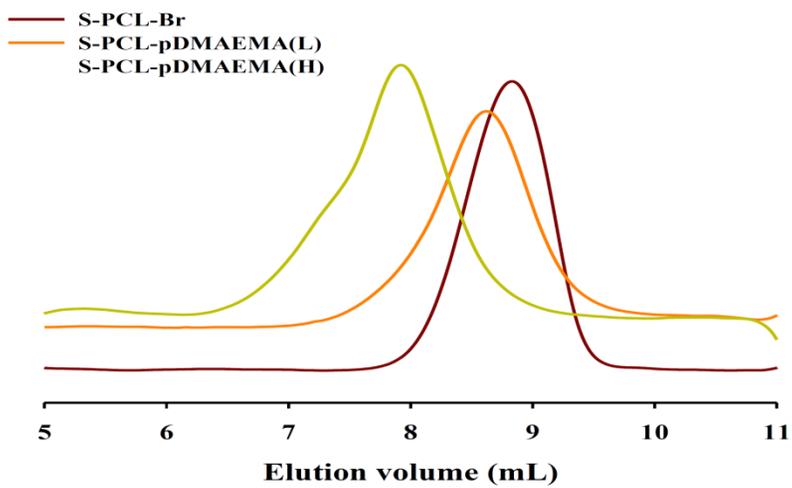


Figure S1. The GPC profiles of S-PCL-PDMAEMA and L-PCL-PDMAEMA.

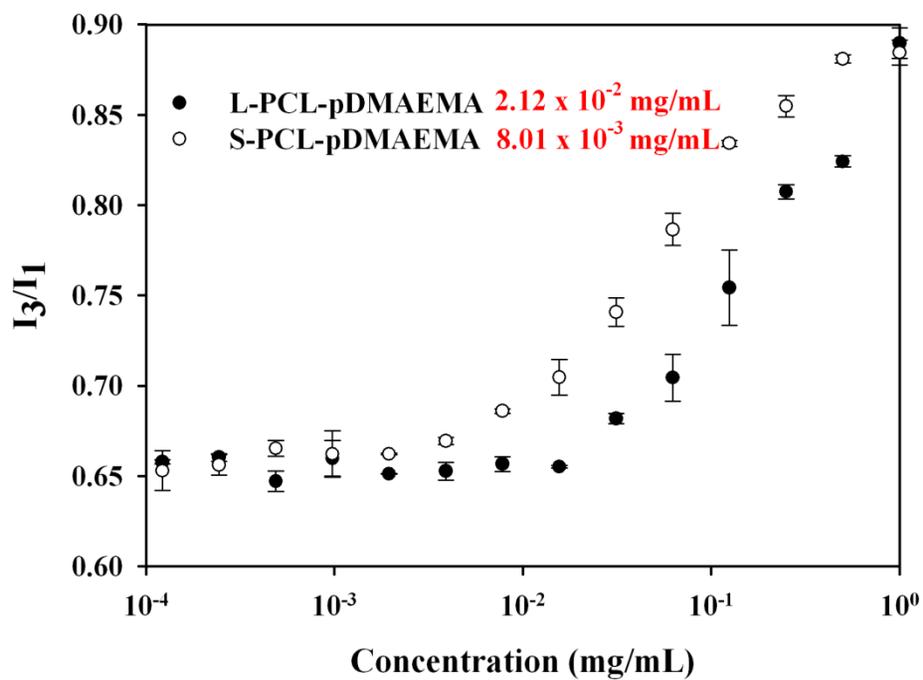


Figure S2. The I_3/I_1 intensity ratio of pyrene plotted against the concentration of PCL-PDMAEMA.
($n=3$)

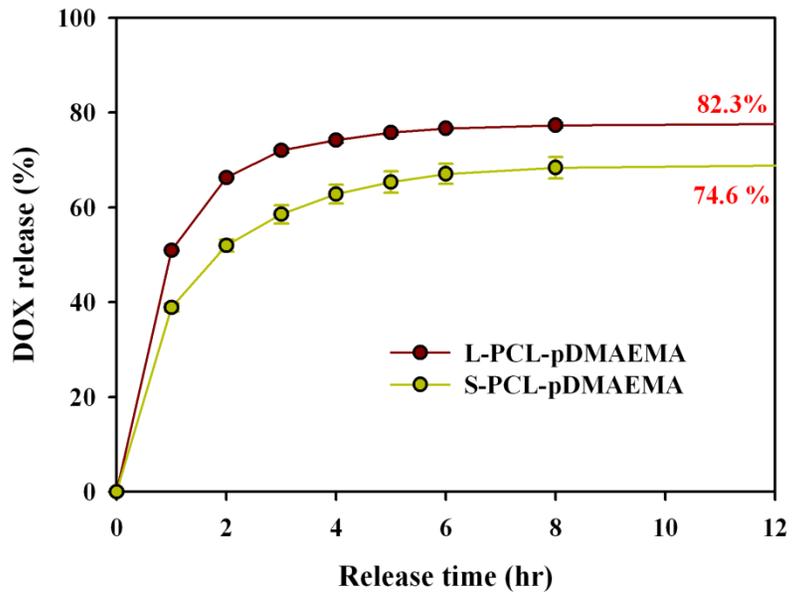


Figure S3. The release profile of DOX from L-PCL-PDMAEMA and S-PCL-PDMAEMA micelles in pH 7.4 PBS. (n=3)

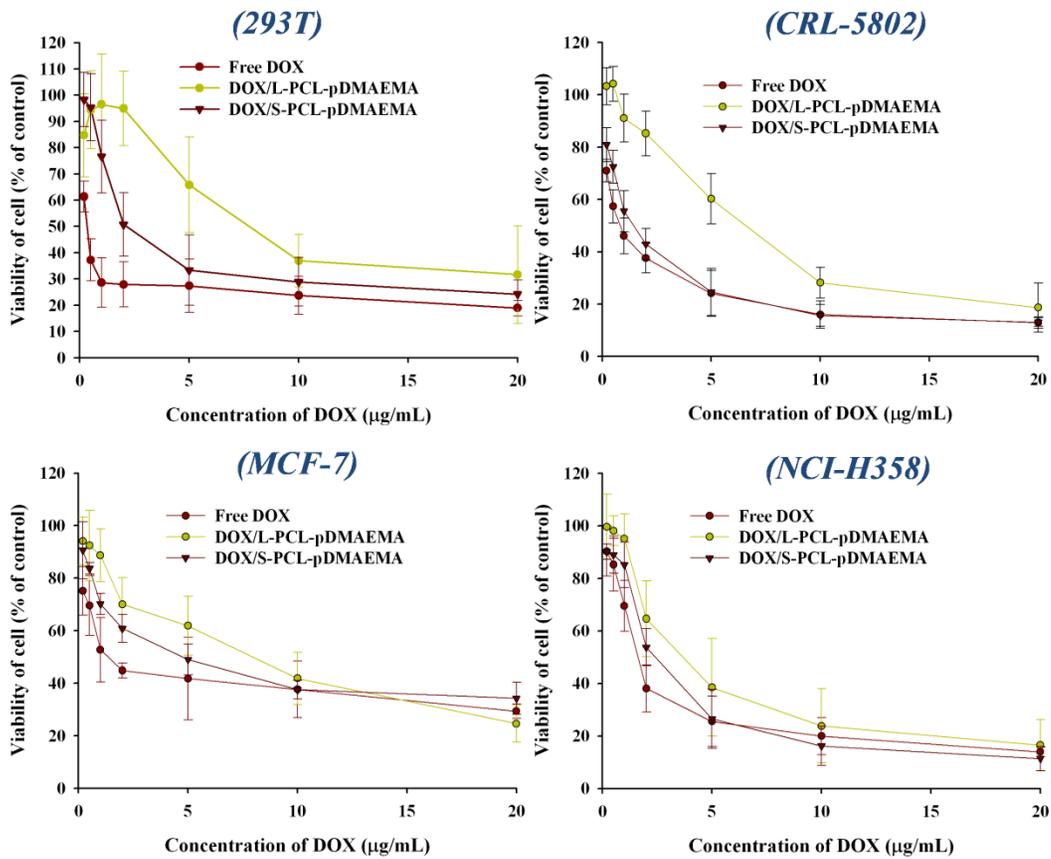


Figure S4. In vitro inhibition of 293T, CRL-5802, MCF-7 and NCI-H358 cell proliferation after 24 h of incubation with free DOX, DOX/S-PCL-PDMAEMA, and DOX/L-PCL-PDMAEMA at various DOX concentrations. (n= 3)