

Supporting information

Dual-responsive gemini micelles for efficient delivery of anti-cancer therapeutics

Young In Choi,^{a,†} Eun-sook Choi,^{a,†} Kwan Ho Mun,^b Se Guen Lee,^a Sung Jun Lee,^a

Sang Won Jeong,^a Eunjoo Kim,^a Seung Woo Lee,^{b,*} and Hyun-Chul Kim ^{a,*}

^a *Convergence Research Institute, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu 42988, Republic of Korea.*

^b *School of Chemical Engineering, Yeungnam University, Gyeongsan 38541, Republic of Korea*

Figure S1. Fluorescence spectra with DOX concentrations in DMF (A) and calibration curve obtained from standard DOX solutions (B).

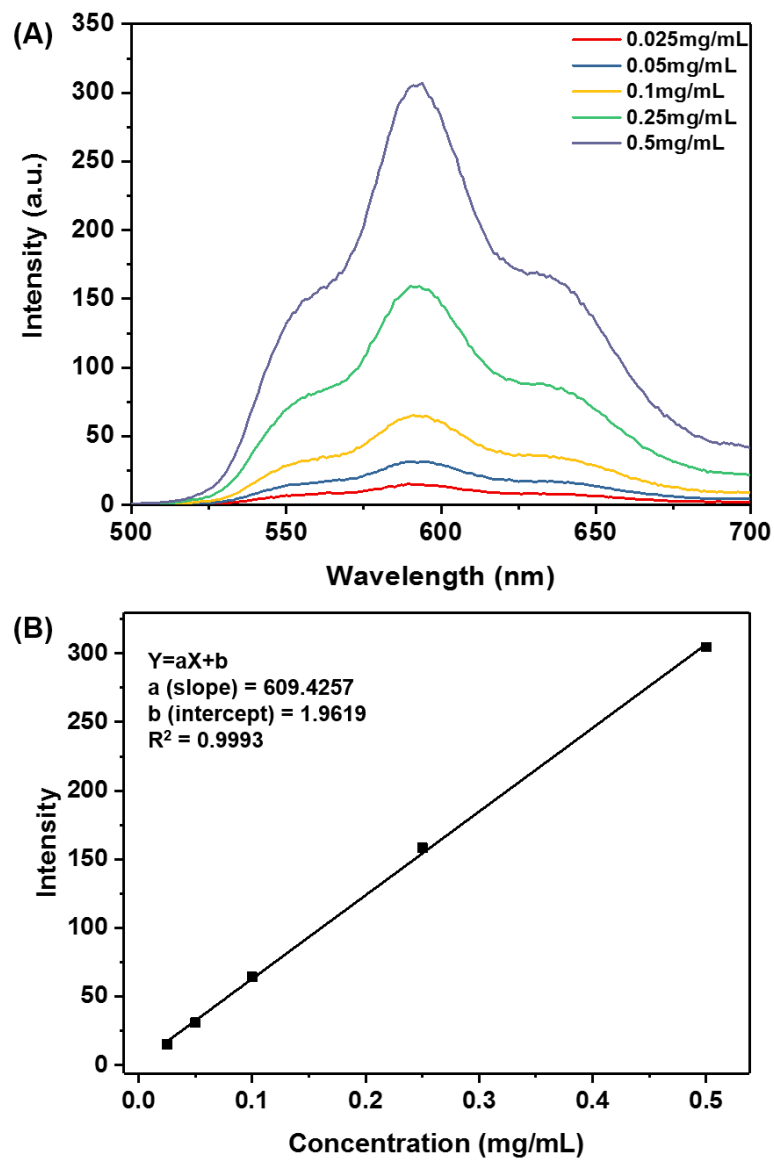


Figure S2. GPC traces of monomeric mPEG-Cys-PMT and gemini mPEG-Cys-PMT measured by using THF as a mobile phase.

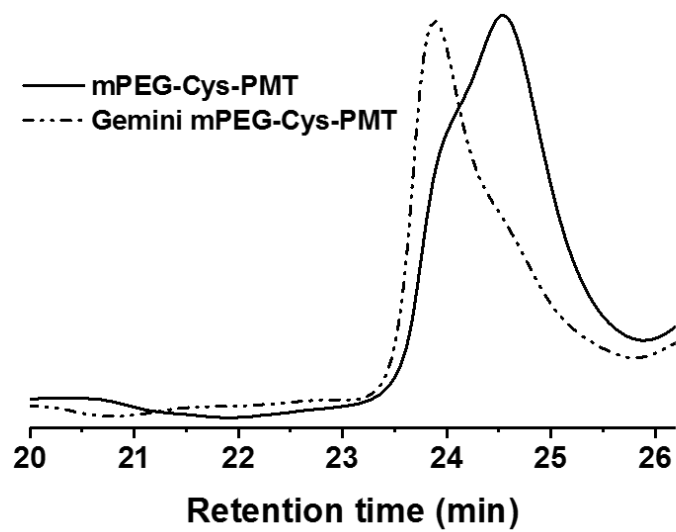


Figure S3. Plot of the intensity ratio I_{337}/I_{333} from the pyrene excitation spectra versus the logarithm of (A) monomeric mPEG-Cys-PMT and (B) gemini mPEG-Cys-PMT treated with 10 mM DTT.

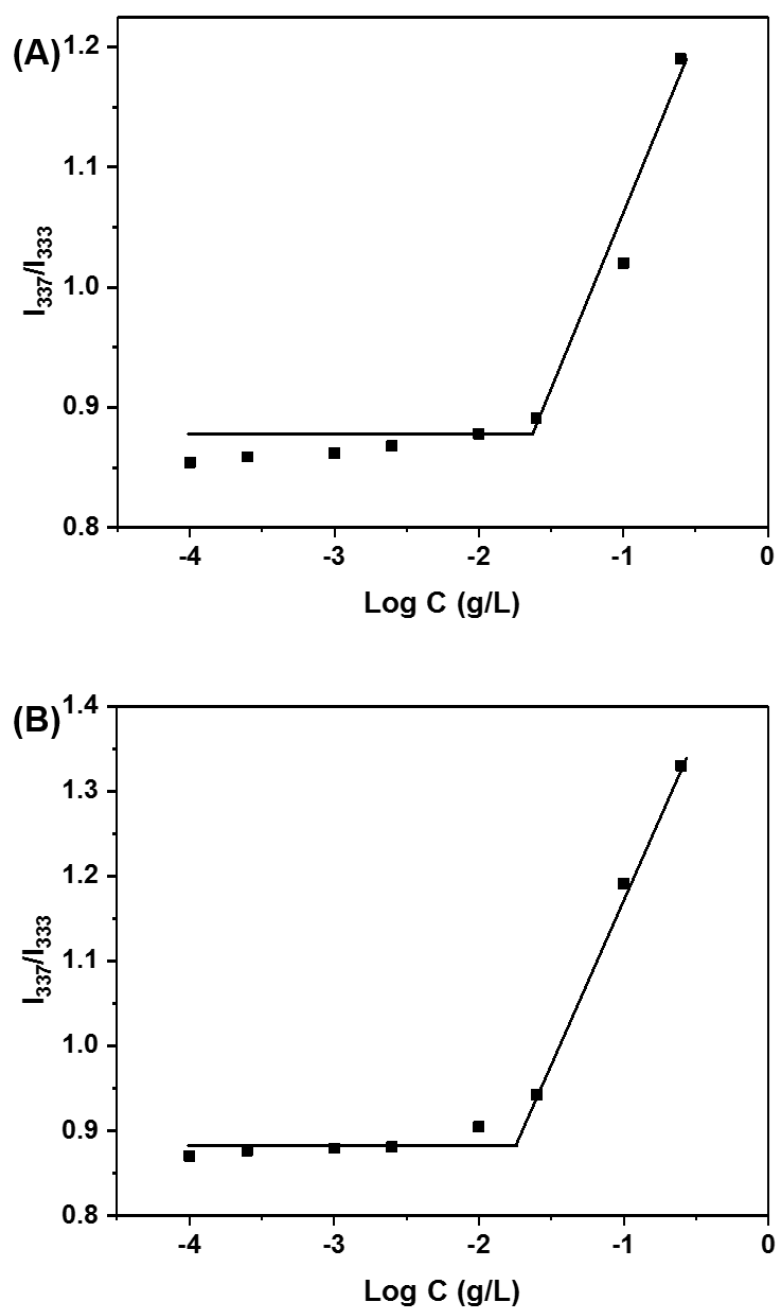


Figure S4. Drug loading contents and efficiency of gemini mPEG-Cys-PMT micelles with feed weight ratios of polymer and DOX.

