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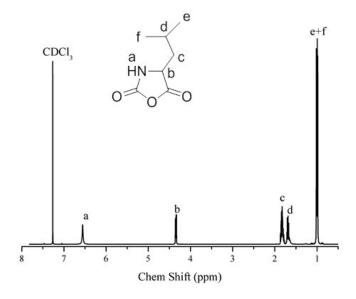
## Polyamino acid-based gemcitabine nanocarriers for targeted intracellular drug delivery

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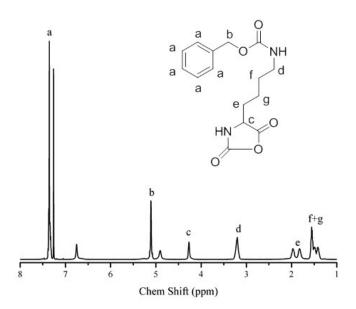
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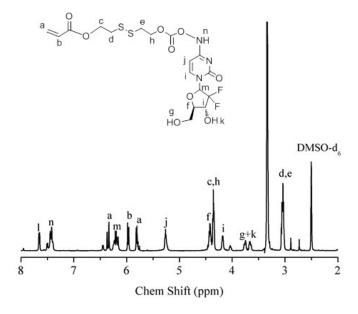
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**Figure S1** <sup>1</sup>H NMR spectra of Leu-NCA in DMSO- $d_6$ .



**Figure S2**  $^1$ H NMR spectra of Lys-NCA in DMSO- $d_6$ .



**Figure S3**  $^{1}$ H NMR spectra of HSEA-GEM in DMSO- $d_{6}$ .

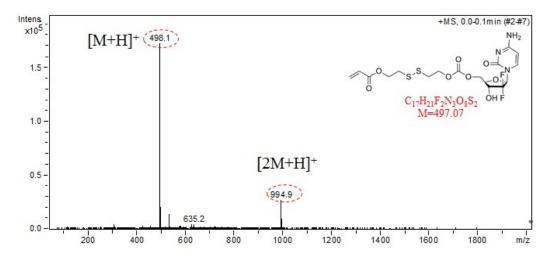


Figure S4 Mass spectrum of HSEA-GEM.

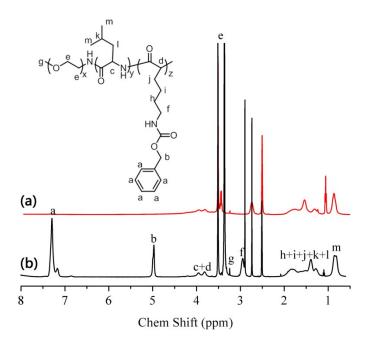


Figure S5 <sup>1</sup>H NMR spectra of mPEG-b-P(Lys-co-Leu) (a) and mPEG-b-P(Lys(Z)-co-Leu) (b).

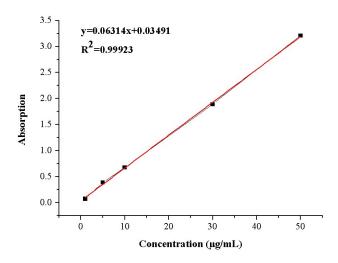


Figure S6 UV-absorption standard curve of Rho B.