pharmaceutics

Supplementary Materials: Cyclopropenium Nanoparticles and Gene Transfection in Cells

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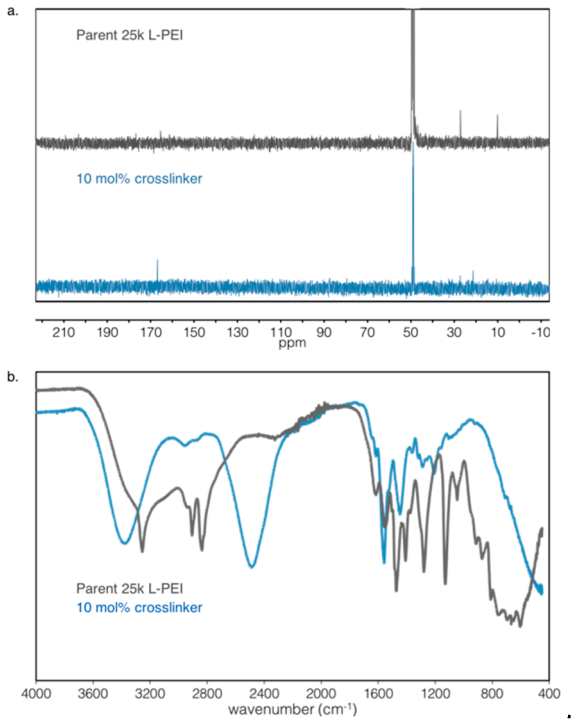

Figure S1. ^{13}C NMR (**a**) and IR (**b**) spectra of parent linear PEI compared to those of a crosslinked polymer. The appearance of aromatic carbon peaks (**a**) and disappearance of secondary amine absorbances (**b**) suggests in situ cyclopropenium ion formation and crosslinking with secondary amines.

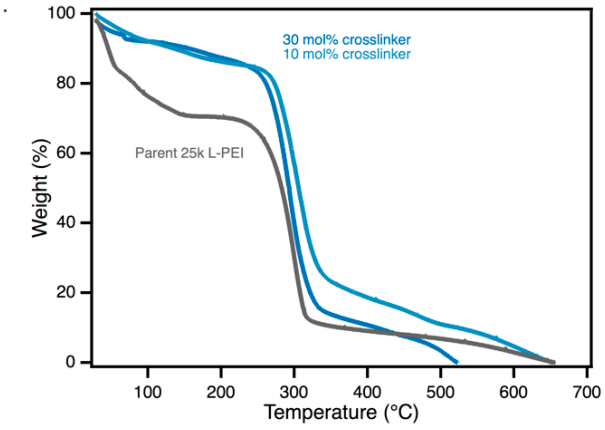

Figure S2. Thermal gravimetric analysis of crosslinked polymers. Cyclopropenium crosslinking of 25k L-PEI L-PEI provides enhanced stability below 300 °C. Crosslinking minimally changes thermal decomposition temperature. There is no change in thermal decomposition with increased crosslinking density.