SUPPLEMENTARY INFORMATION

for

An integrin-targeting nanosystem as the carrier of a selenadiazole derivative to induce ROS-mediated apoptosis in bladder cancer cells: from rational design to action mechanisms

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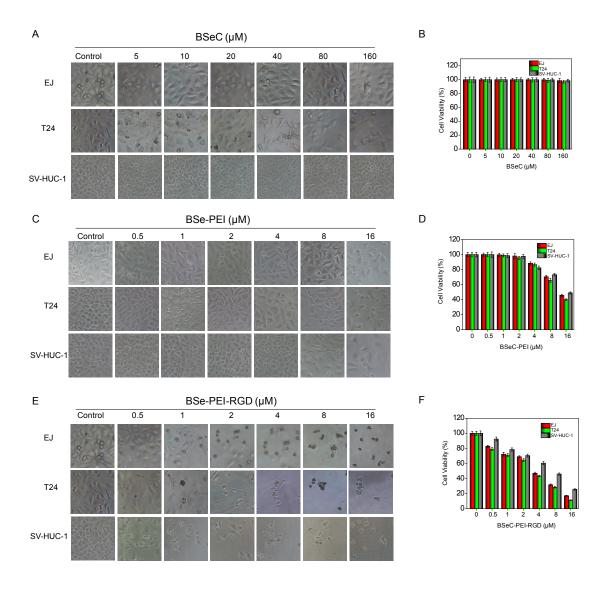


Figure S1. The cell picture of EJ, T24 and SV-HUC-1 treated with BSeC (A), BSeC-PEI (C) and BSeC-PEI-RGD (E) and cell viability of BSeC (B), BSeC-PEI (D) and BSeC-PEI-RGD (F) against on EJ, T24 and SV-HUC-1 cells, which was measured by MTT assay (72 h).

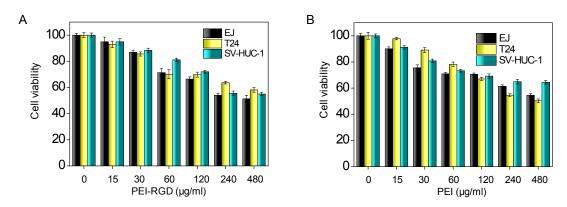


Figure S2. Cell viability of PEI-RGD (A) and PEI (B) against on EJ, T24 and SV-HUC-1 cells, which was measured by MTT assay (72 h).

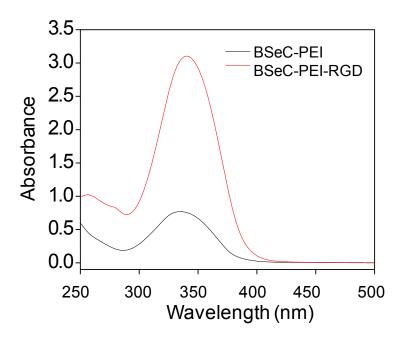


Figure S3. The UV-vis spectra of BSeC-PEI and BSeC-PEI-RGD with the maximum of the peak of absorbance at 335 nm and 340 nm.

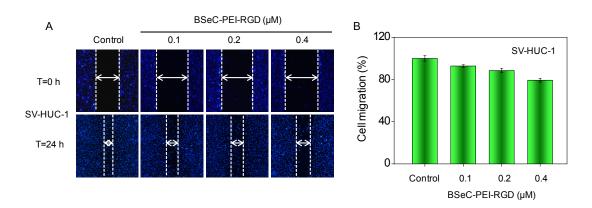


Figure S4. Effects of BSeC-PEI-RGD on SV-HUC-1 normal bladder cells migration. (A) The images of SV-HUC-1 cells wound healing assay were acquired at 0 and 24 h after wounding. (B) Results were expressed as percentages of the fluorescence intensity of control EJ cells with different characters are statistically different at *P<0.05, **P<0.01.

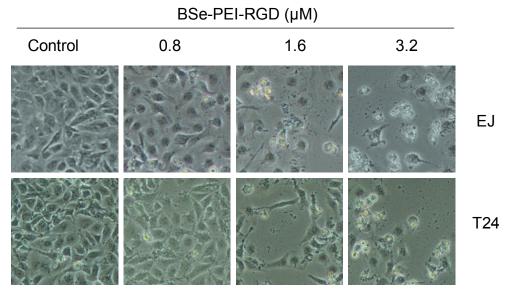


Figure S5. The cell picture of EJ, T24 and SV-HUC-1 treated with different concentration BSeC-PEI-RGD analyzed by flow cytometry.