

Supporting Information

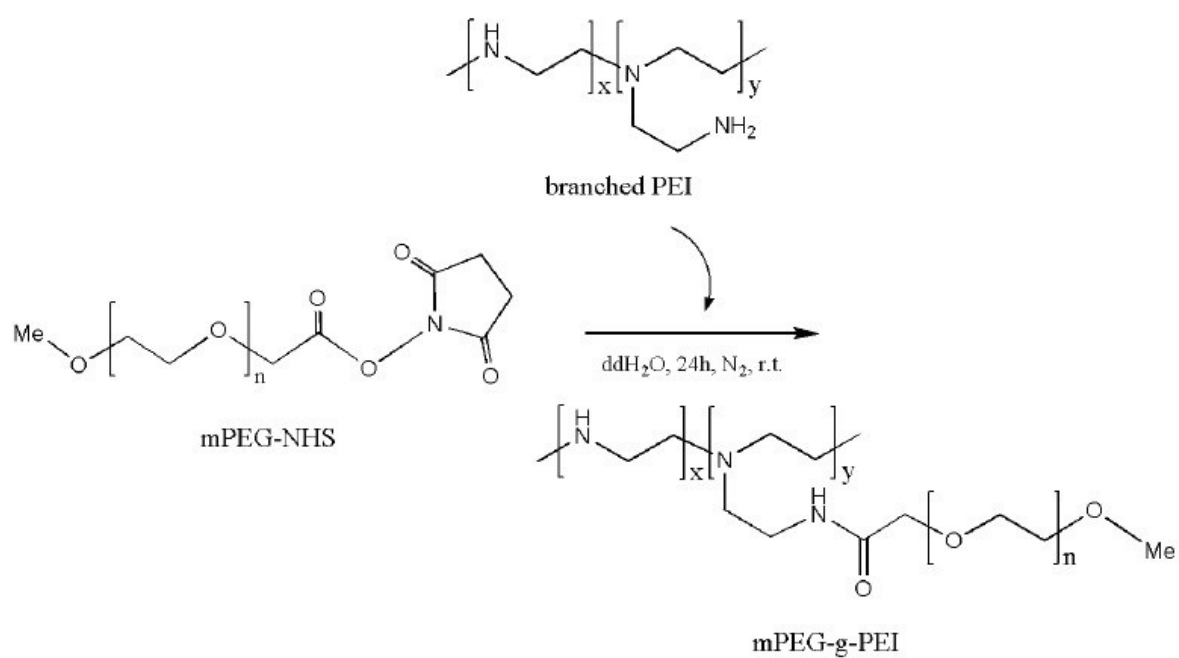
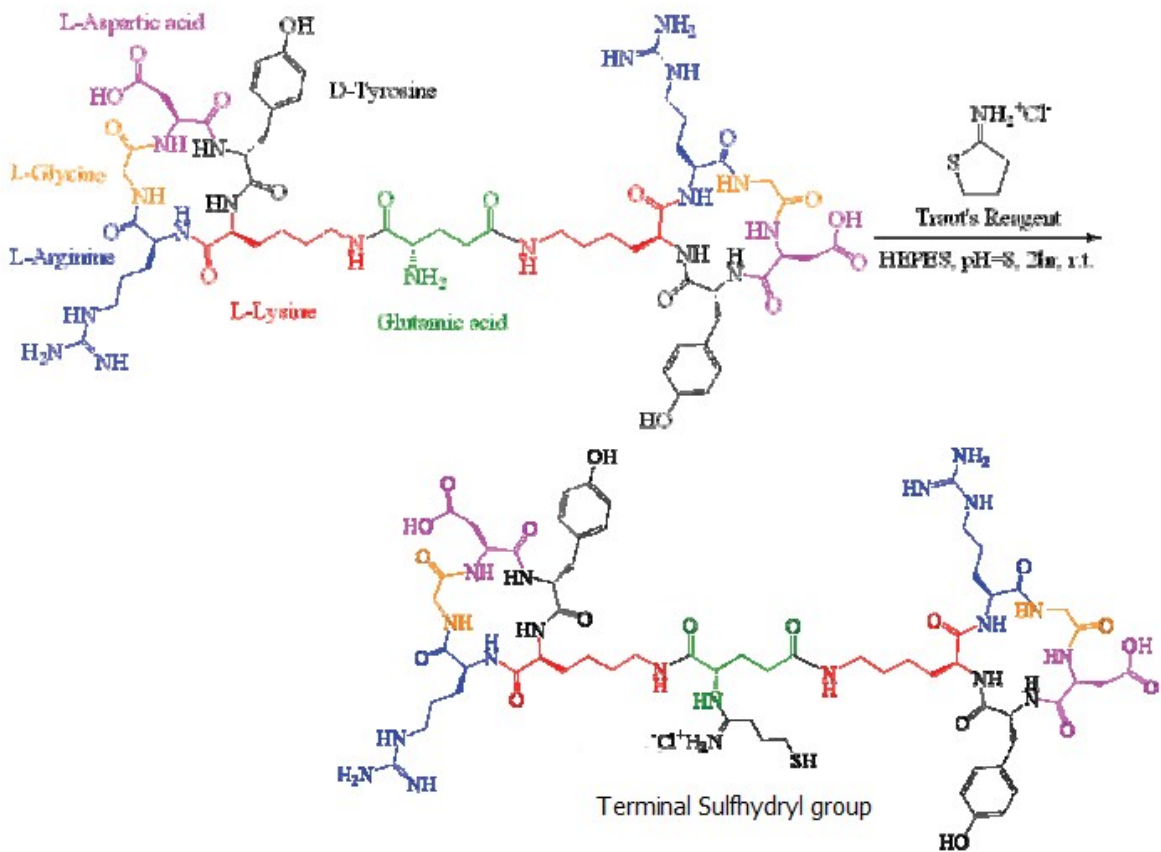
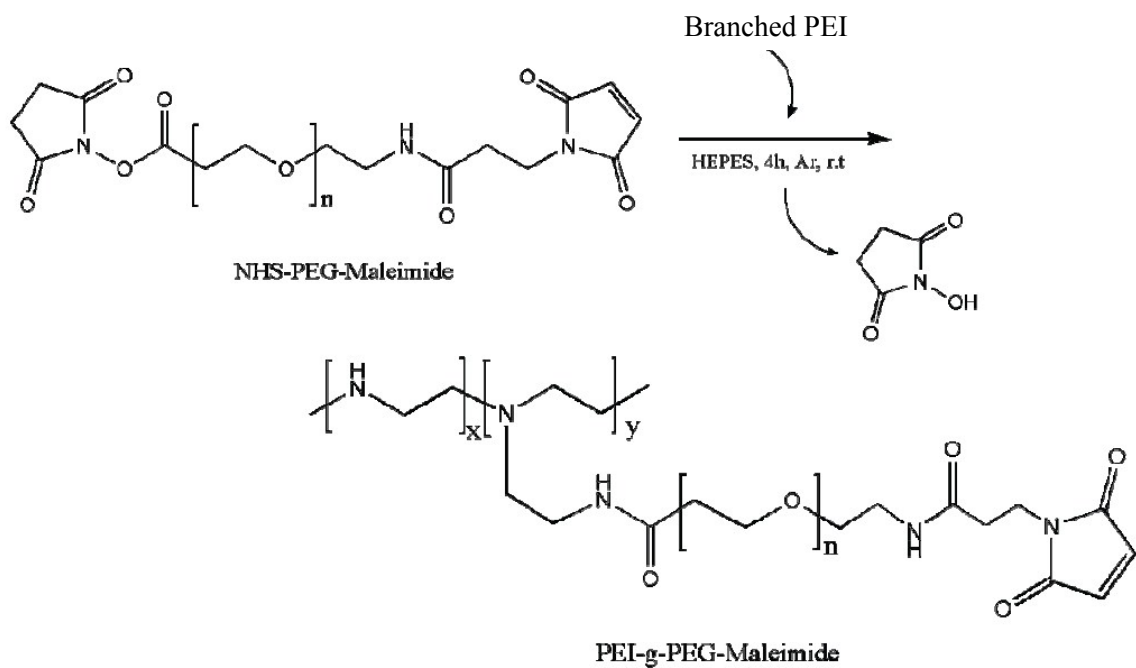
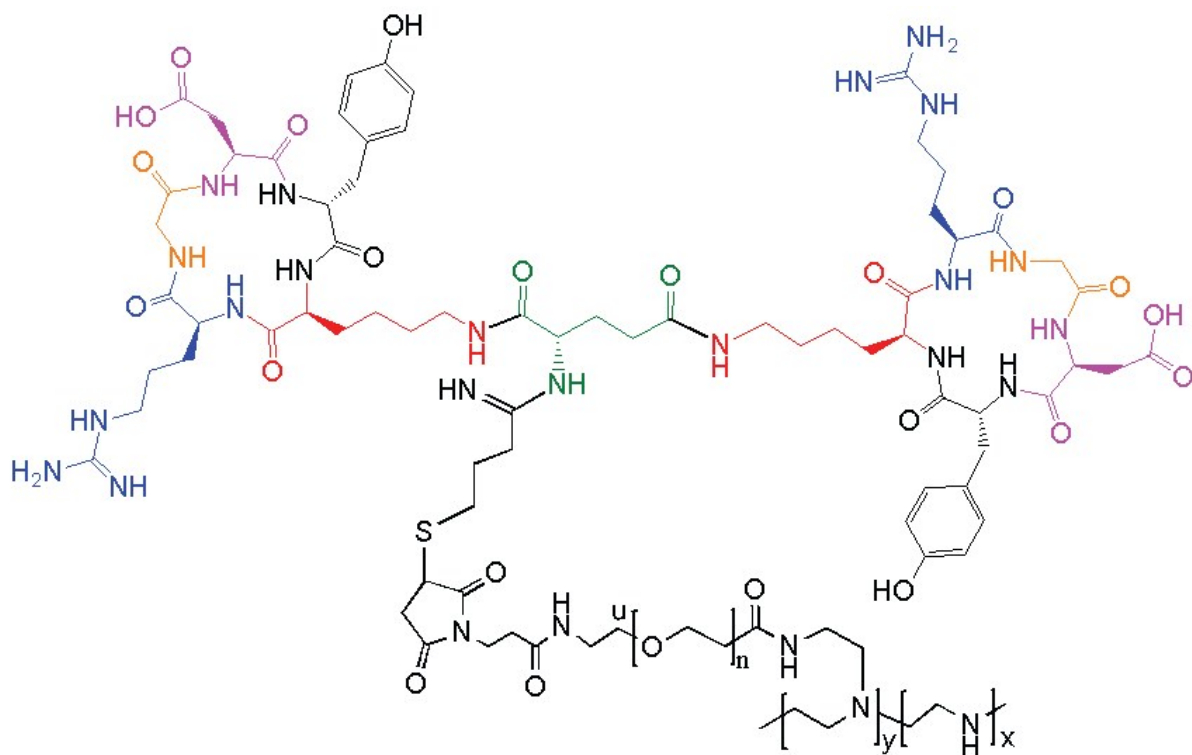


Figure S1. Schematic synthesis routs of mPEG-g-PEI (PP)

a**b**

c



E[c(RGDyK)]₂-PEG-g-PEI

Figure S2. Synthesis of E[c(RGDyK)]₂-PEG-g-PEI (RPP) (a) Modify E[c(RGDyK)]₂ to form terminal sulfhydryl group (b) Bind NHS-PEG-MAL to branched PEI (c) Obtain the final product by mixing (a) and (b) intermediates.

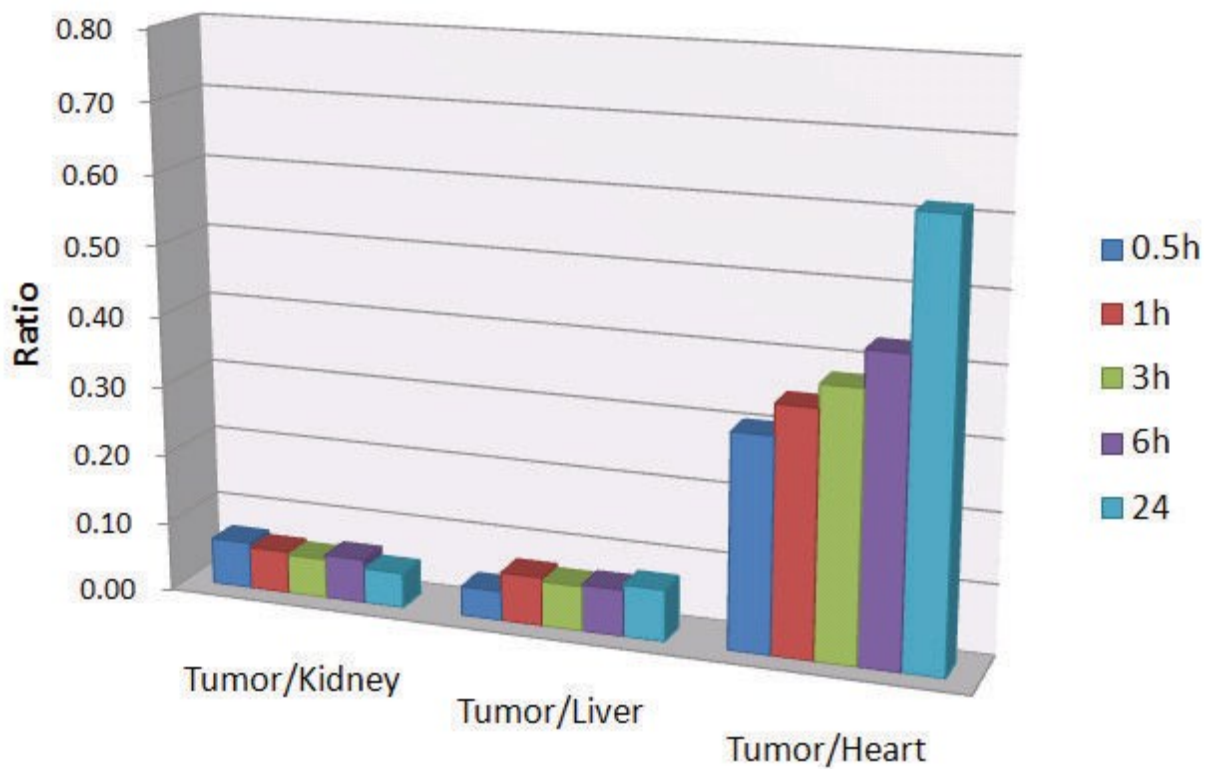


Figure S3. The tumor-to-kidney, tumor-to-liver, tumor-to-heart(blood pool) ratios for ^{99m}Tc -PP10/D in female BALB/c nude mice bearing subcutaneous Hela tumors.

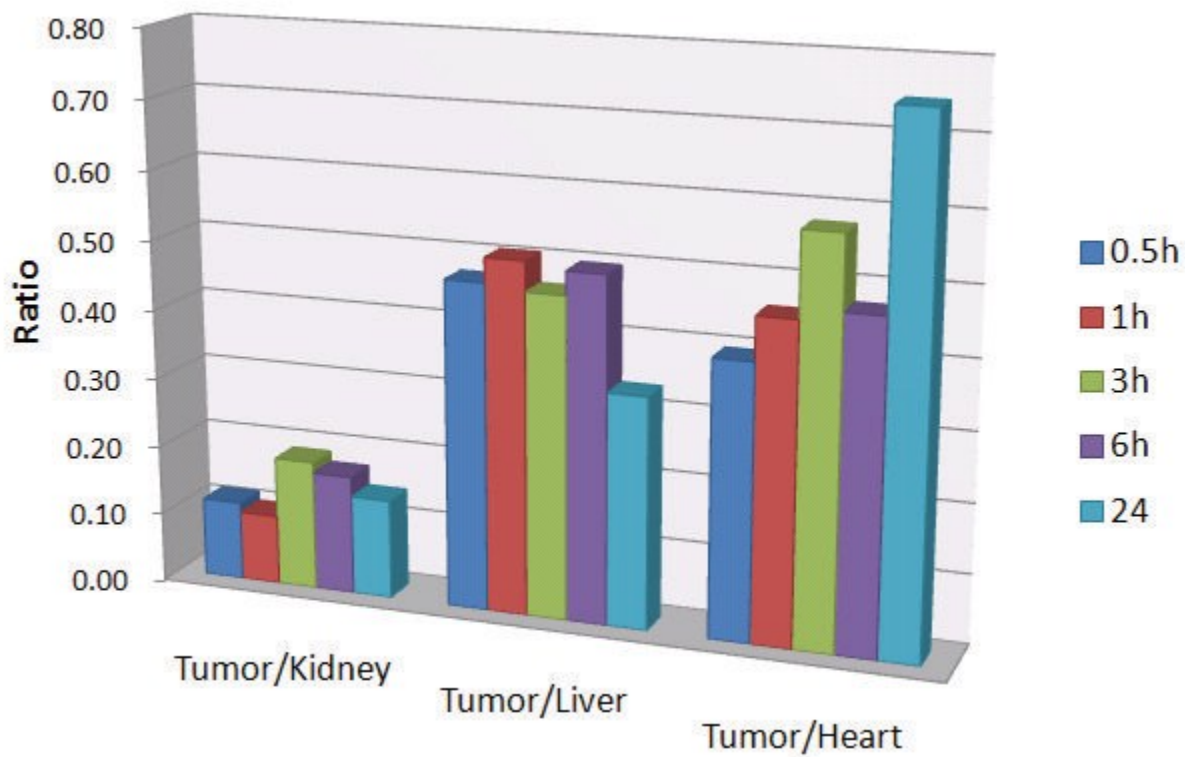


Figure S4. The tumor-to-kidney, tumor-to-liver, tumor-to-heart(blood pool) ratios for ^{99m}Tc -RPP10/D in female BALB/c nude mice bearing subcutaneous Hela tumors.