

Table S1. The IC50 values of SMMC7721 cells after different treatments

IC50 (μM)	SMMC 7721
CuCl ₂	210.20±5.542
CuCl ₂ +X-ray	147.50±3.064
PVP@CuO ₂	108.10±2.351
PVP@CuO ₂ +X-ray	67.20±6.403
HA-PEG@CuO ₂	84.42±1.988
HA-PEG@CuO ₂ +X-ray	23.15±4.489