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Electronic Supplementary Information

of

MMP-responsive theranostic nanoplatform based on mesoporous silica nanoparticles for tumor imaging and targeted drug delivery

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Sample	Zeta Potential (mV)
MSN	-18.3
MSN-NH ₂	26.4
MSN-alkyne	33.3
MSN-MFIP&cRGD	17.9

 Table S1 Zeta potentials of different nanoparticles in DI water.



Scheme S1 Synthesis of MSN-MFIP&cRGD.



Figure S1 (A) Nitrogen adsorption-desorption isotherms. (B) Pore size distribution of MSN.



Figure S2 FT-IR spectra of CTAB@MSN (A), MSN (B), MSN-NH₂ (C), MSN-

alkyne (D) and MSN-MFIP&cRGD (E).



Figure S3 ESI-MS of MFIP.



Figure S4 ESI-MS of cRGD.



Figure S5 Western blot analysis of the expression of MMP-2 in SCC-7 cells and COS7 cells.



Figure S6 Cell viability of SCC-7 and COS7 after incubated with CPT (in DMSO).