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SUPPORTING INFORMATION

A Redox-Responsive Strategy Using Mesoporous Silica Nanoparticles for Co-delivery of siRNA and Doxorubicin

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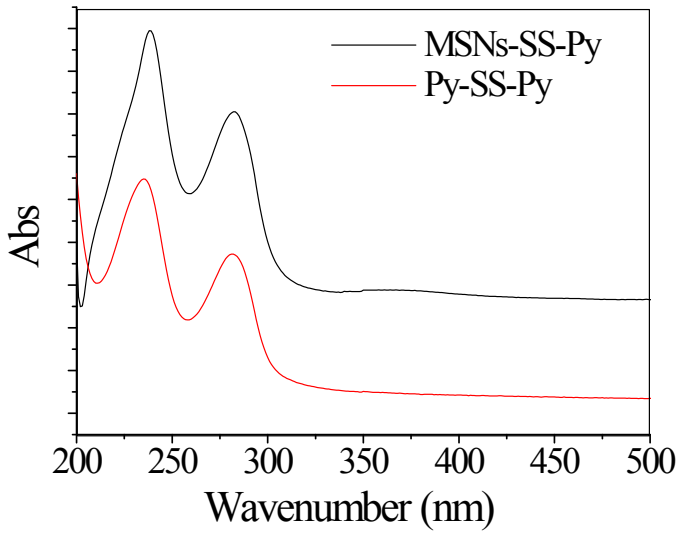

Figure S1. UV-vis absorbance spectra of MSNs-SS-Py and 2,2'-Dithiodipyridine (Py-SS-Py).

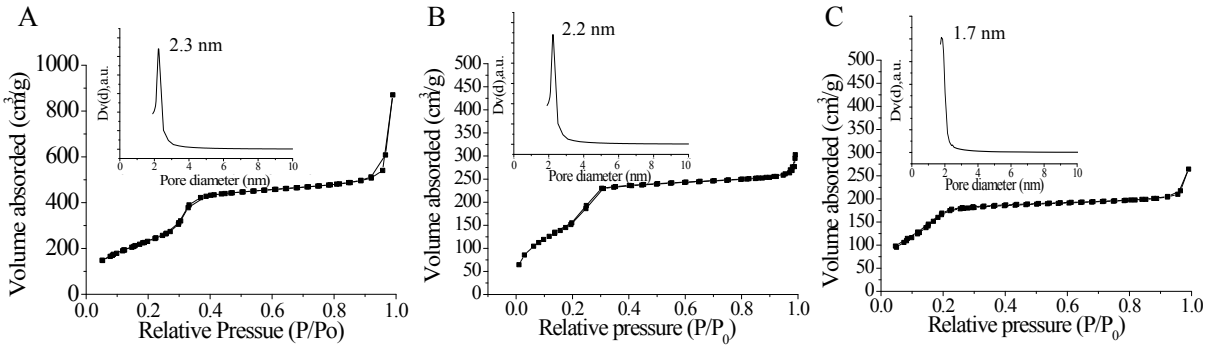

Figure S2. N_2 adsorption−desorption isotherms (inset: pore diameter distribution) for (A) MSNs, (B) MSNs-SS-siRNA and (C) MSNs-SS-siRNA@Dox.

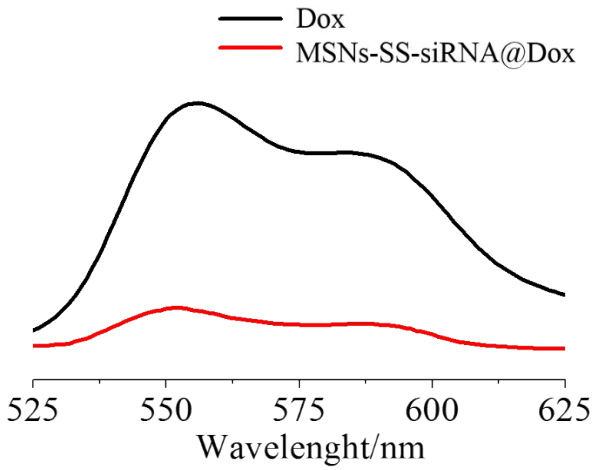

Figure S3. Fluorescence spectra of free Dox and MSNs-SS-siRNA@Dox.

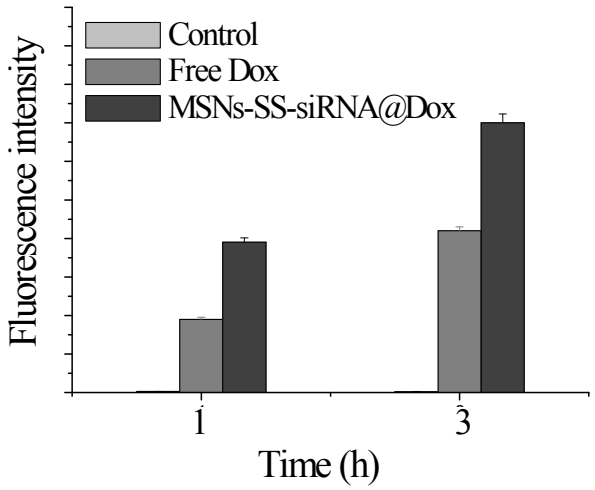

Figure S4. Dox fluorescence intensity measured by FCM after incubated with free Dox and MSNs-SS-siRNA@Dox for 1 and 3 h.

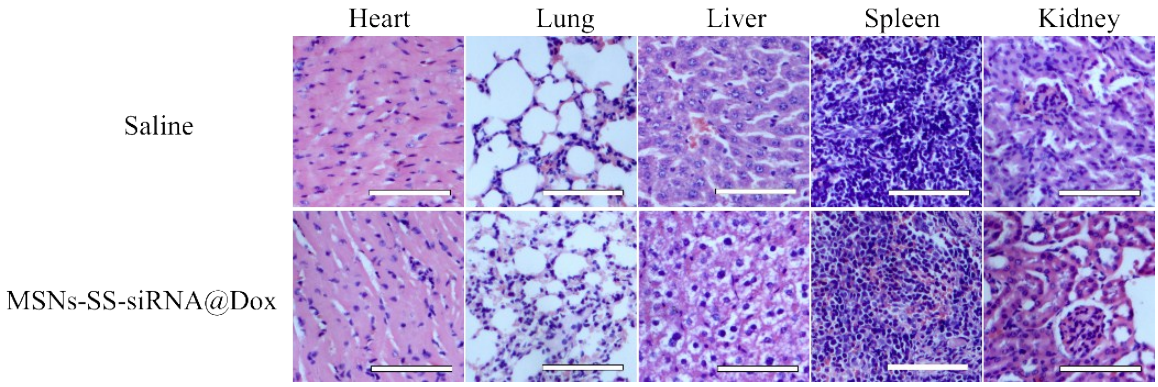

Figure S5. H&E stained images of heart, liver, spleen, lung and kidney collected from MSNs-SS-siRNA@Dox-injected mice and saline-treated mice bearing MCF-7 tumors after 24 days treatment. Scale bars correspond to 100 μm in all the images.