Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B. This journal is © The Royal Society of Chemistry 2015

Folic acid-conjugated organically modified silica nanoparticles for enhanced targeted delivery in cancer cells and tumor in vivo

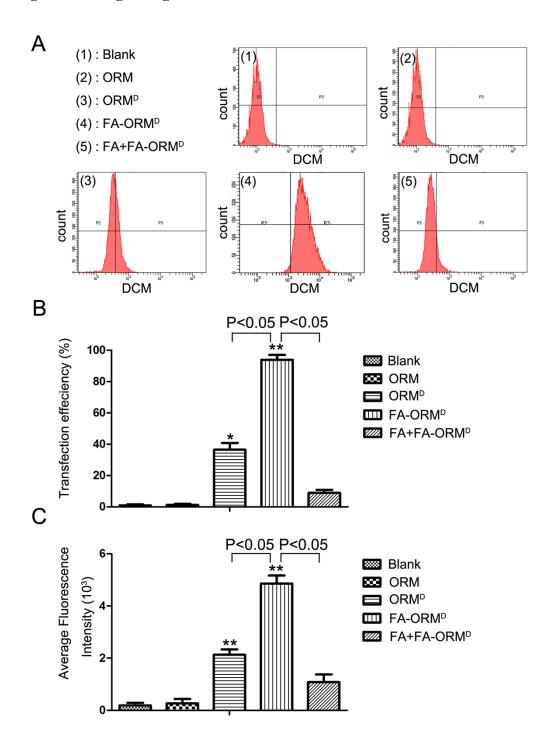
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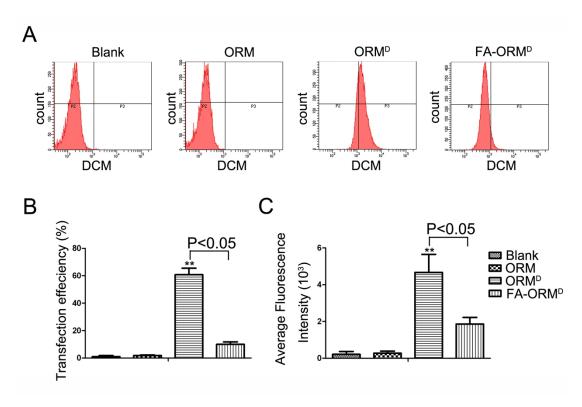
Supplementary Information

Figures and Figure legends



Supplementary Figure S1: Transfection efficiency of the ORMOSIL nanoparticles in SMMC7721 cells. (A) Representative dots plots of flow cytometry assays, in which cells were treated with (1) PBS, (2) ORM nanoparticles, (3) ORM^D

nanoparticles, (4) FA-ORM^D nanoparticles and (5) FA followed by FA-ORM^D nanoparticles. (**B**) Transfection efficiency and (**C**) average fluorescence intensity calculated from the results showed in (**A**). Values are means \pm SEM, n = 3; *P < 0.05, **P < 0.01 vs Blank (PBS) and ORM.



Supplementary Figure S2: Transfection efficiency of the ORMOSIL nanoparticles in MCF7 cells. (A) Representative dots plots of flow cytometry assays, in which cells were treated with (1) PBS, (2) ORM nanoparticles, (3) ORM^D nanoparticles and (4) FA-ORM^D nanoparticles. (B) Transfection efficiency and (C) average fluorescence intensity calculated from the results showed in (A). Values are means \pm SEM, n = 3; **P < 0.01 vs Blank (PBS) and ORM.