

Noninvasive Theranostic Imaging of HSV-TK/GCV Suicide Gene Therapy in Liver Cancer by Folate-targeted Quantum Dot-based Liposomes

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SMMC-7721

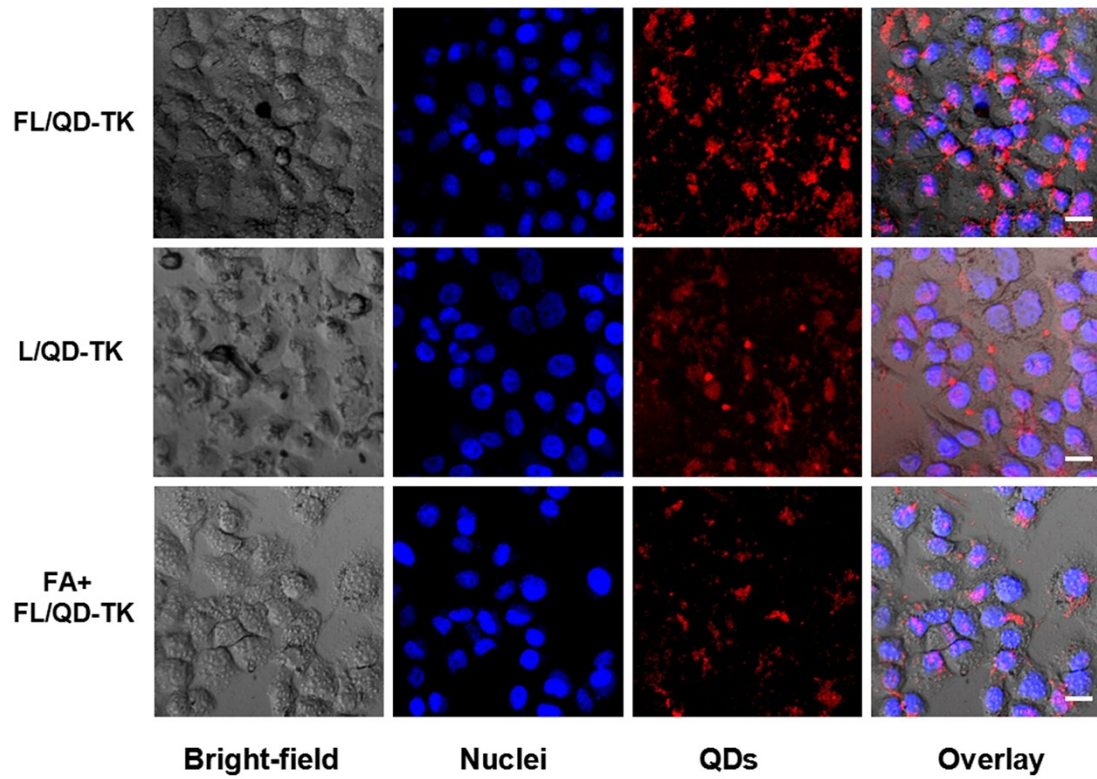


Fig.S1 Cell uptake of FL/QD-TK in SMMC-7721 cells. Laser confocal scanning microscopic images of folate receptor positive SMMC-7721 cells incubated with targeted liposome FL/QD-TK, non-targeted liposome L/QD-TK and FL/QD-TK+FA. Red fluorescence: Quantum dots, Nuclei: stained blue with Hoechst 33342, Scale bars at 10 μm .

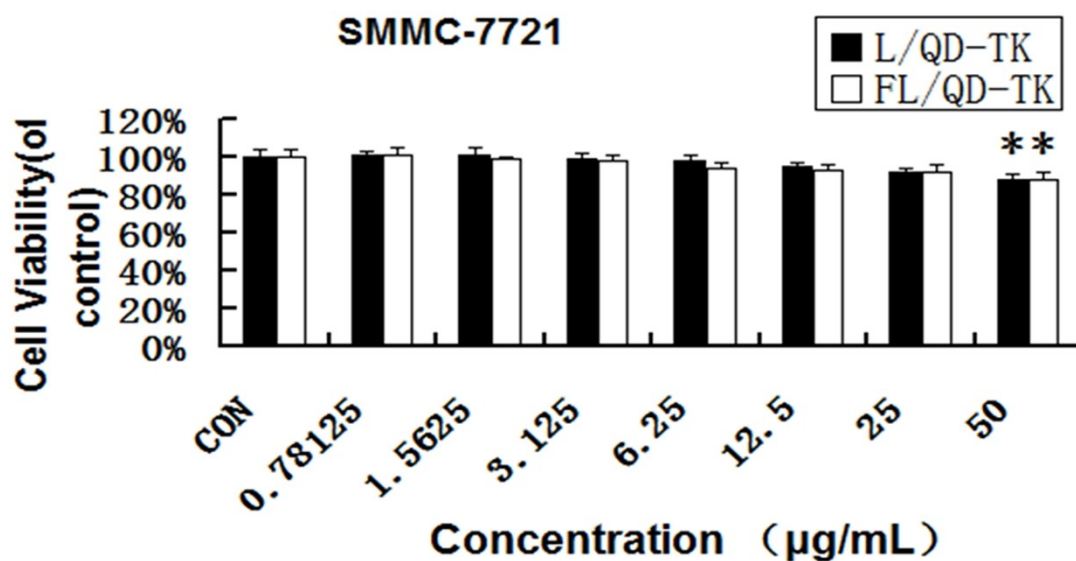


Fig. S2 Effect of FL/QD-TK on cell viability. Cell viability in SMMC-7721 during 96h-treatment with the different concentration of FL/QD-TK and L/QD-TK were measured by MTT assay. The data represent three separated experiments. Mean values \pm SD. * $P < 0.05$ versus control group.

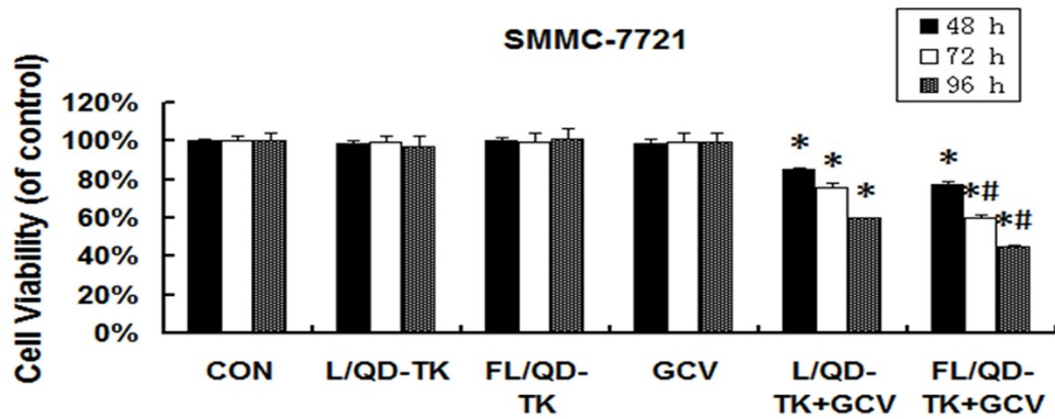


Fig. S3 Antitumor effect of FL/QD-TK plus GCV on cell viability. Cell viability in SMMC-7721 during 48h, 72h, 96h-treatment with the 12.5 $\mu\text{g/ml}$ of FL/QD-TK and L/QD-TK with or without 10 $\mu\text{g/ml}$ GCV were measured by MTT assay. The data represent three separated experiments. Mean values \pm SD.*P < 0.05 versus control group, #P < 0.01 stands for FL/QD-TK versus L/QD-TK group.