**Co-delivery of doxorubicin and siRNA for glioma therapy by a brain targeting
system: angiopep-2 modified poly (lactic-co-glycolic acid) nanoparticles**

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Table 1 Characterization of nanoparticles (n=3).

Preparations	Mean size	Polydispersity index (PDI)	Zeta potential (mv)
NANG/PLGA/DOX	169.5	0.18	42.0 $\pm$ 2.2
NANG/PLGA/DOX/siRNA	170.8	0.22	37.0 $\pm$ 2.2
ANG/PLGA/DOX	185.0	0.25	38.6 $\pm$ 4.4
ANG/PLGA/DOX/siRNA	190.5	0.19	30.2 $\pm$ 3.6

Note: Results presented are mean $\pm$ SD (n=3).

Fig. 1. Representative fluorescence microscopic images of the brain tissues from mice treated intravenously with non-targeting NPs labelled with coumarin-6 (NANG/PLGA/Coumarin-6 NPs/siRNA). (A) 1 h (200 $\times$); (B) 2 h (200 $\times$); (C) 3h (200 $\times$); (D) 3h (400 $\times$). Column (1): The nuclei in blue fluorescence are stained with DAPI. Column (2): Fluorescein isothiocyanate channels showing the green fluorescence from coumarin-6-loaded PLGA NPs distributed in brain tissues. Column (3): Merged channel of fluorescein isothiocyanate and DAPI.

Fig. 2. Representative fluorescence microscopic images of the brain tissues from mice treated intravenously with coumarin-6 solution. (A) 1 h (200 $\times$); (B) 2 h (200 $\times$); (C) 3 h (200 $\times$) ; (D) 3 h (400 $\times$). Column (1): The nuclei in blue fluorescence are stained with DAPI. Column (2): Fluorescein isothiocyanate channels showing the green fluorescence from coumarin-6-loaded PLGA NPs distributed in brain tissues. Column (3): Merged channel of fluorescein isothiocyanate and DAPI.