Supplementary Information

Novel oligopeptide nanoprobe for targeted cancer cell imaging

Wen-Qiang Ding,\textsuperscript{a} Si-Yong Qin,\textsuperscript{*,a} Yin-Jia Cheng,\textsuperscript{a} Yi-Han Ma\textsuperscript{a} and Ai-Qing Zhang\textsuperscript{*,a}

\textsuperscript{a}College of Chemistry and Materials Science, South-Central University for Nationalities, Wuhan 430074, P. R. China.

E-mail: sy-qin@mail.scuec.edu.cn; aizhang@scuec.edu.cn.
**Fig. S1** The MALDI-TOF-MS of WFW (a) and RGDWFW (b).

**Fig. S2** The linear plot for Rhodamine B in ethanol (90%, 400 nm excitation).
**Fig. S3** The linear plot for TPNS sample.

**Fig. S4** The linear plot for H-TPNS sample.
**Fig. S5** The fluorescent spectra of TPNS at different pHs.

**Fig. S6** The fluorescent spectra of TPNS under different excitation wavelengths.

**Fig. S7** FT-IR spectra of TPNS and T-HNPS.
Fig. S8 The fluorescent spectra of H-TPNS under different excitation wavelengths.

Fig. S9 ζ-potentials of TPNS (A) and H-TPNS nanoprobes (B).