

## Supporting Information

### **Natural Anthocyanin-Based Multifunctional Theranostic Agent for Dual-Modal Imaging and Photothermal Anti-Tumor Therapy**

Chunyan Guo,<sup>‡a,b</sup> Jinghua Sun,<sup>‡b</sup> Jie Dong,<sup>b</sup> Wenwen Cai,<sup>b</sup> Xuhui Zhao,<sup>b</sup> Bin Song<sup>\*b</sup>  
and Ruiping Zhang<sup>\*b</sup>

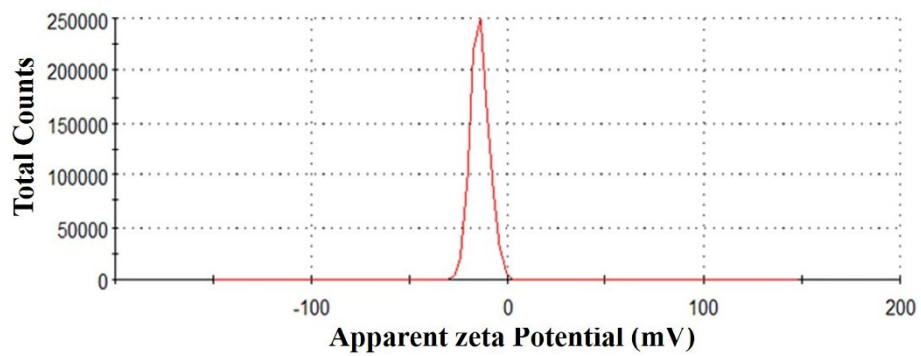
<sup>a</sup> *First Clinical Medical College of Shanxi Medical University, Taiyuan 030001, China.*

<sup>b</sup> *Third Hospital of Shanxi Medical University, Shanxi Bethune Hospital, Shanxi Academy of Medical Sciences; Tongji Shanxi Hospital, Tongji Medical College, Huazhong University of Science and Technology, Taiyuan, 030032, China*

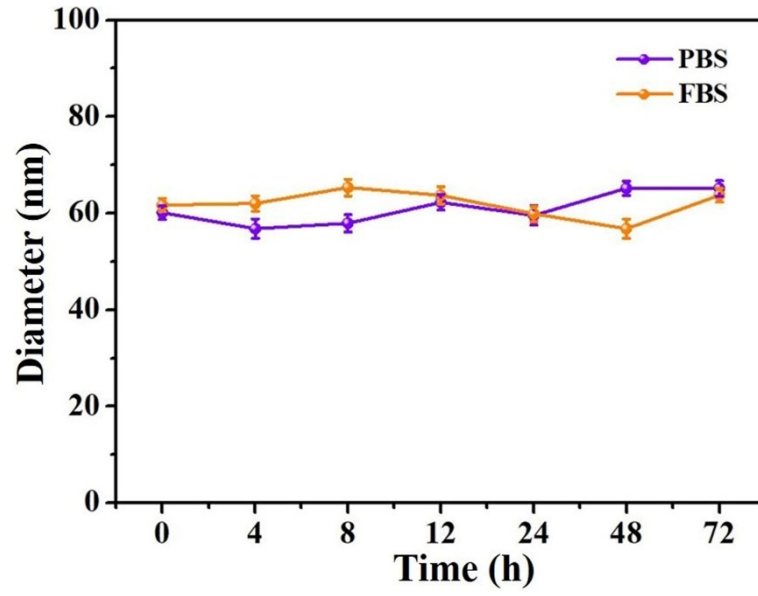
<sup>‡</sup> The first two authors contributed equally to this work.

Correspondence: E-mail: songbintara@163.com

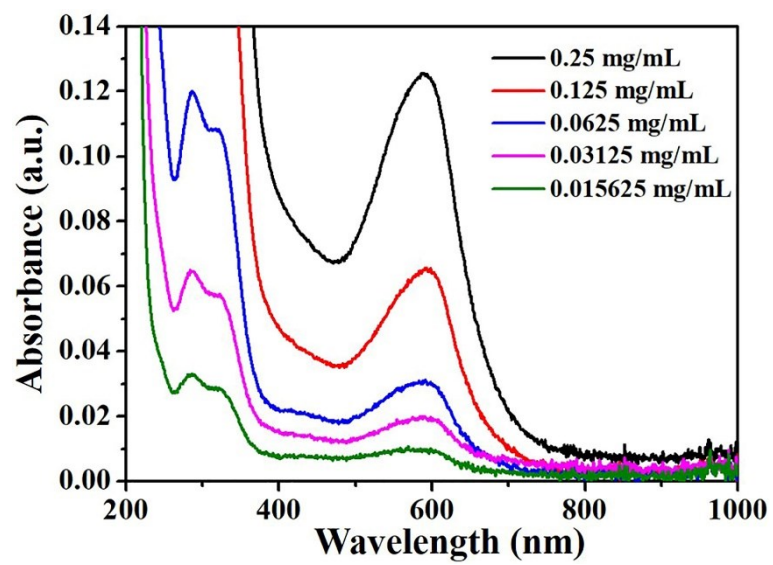
Correspondence: E-mail: zrp\_7142@sxmu.edu.cn



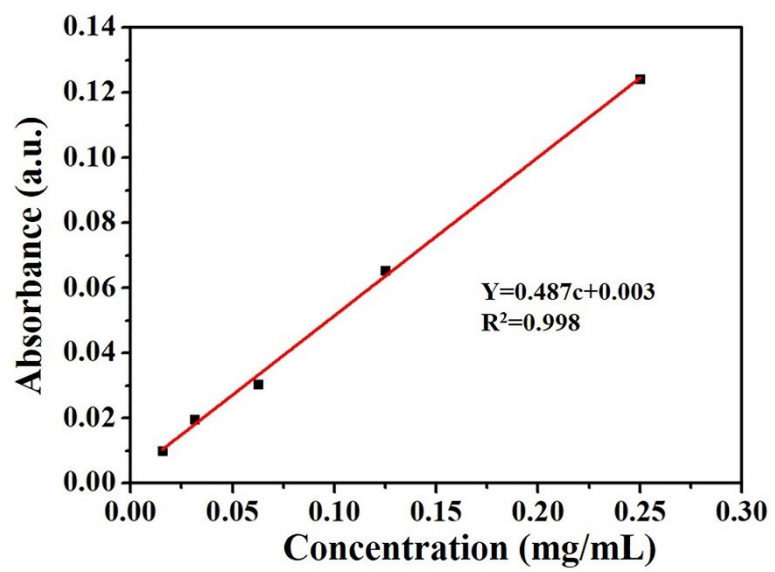
**Figure S1.** Zeta potential of ANP-Gd.



**Figure S2.** Stability study of ANP-Gd. The time-dependent changes in hydrodynamic diameters of ANP-Gd in PBS and FBS.



**Figure S3.** UV-Vis-NIR standard curves of different concentrations.



**Figure S4.** Linear relationship between UV-Vis-NIR absorption and concentrations of ANP-Gd.

**Table S1.** Complete blood panel indexes of mice for the control, and 1 d and 7 d after injected intravenously with a high dose of ANP-Gd.

Mean±SE		WBC( $10^9/L$ )	RBC( $10^{12}/L$ )	HGB(g/L)	HCT(%)
<b>Reference range</b>		0.8-6.8	6.36-9.42	110-143	34.6-44.6
Control		3.50	7.65	132.33	44.03
ANP-Gd	1d	3.00	8.48	134.33	43.93
	7d	4.03	7.35	128.33	42.87
Mean±SE		MCV(fL)	MCH(pg)	MCHC(g/L)	PLT( $10^9/L$ )
<b>Reference range</b>		48.2-58.3	15.8-19.0	302-353	100-600
Control		57.53	17.16	304.00	587.00
ANP-Gd	1d	57.43	17.37	303.33	593.00
	7d	58.23	17.33	336.33	585.67