Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B. This journal is © The Royal Society of Chemistry 2021

Supplemental Information

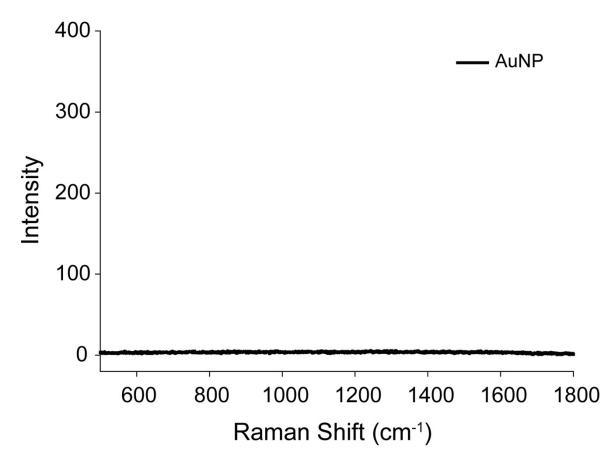


Figure S1. Raman spectrum of AuNP.

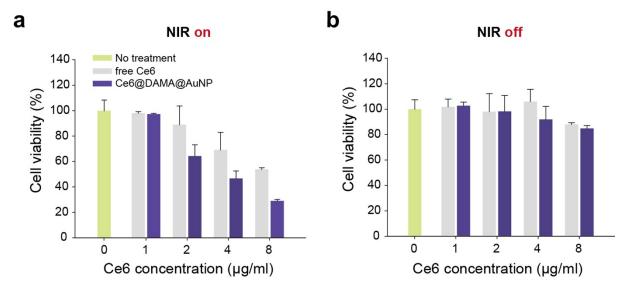
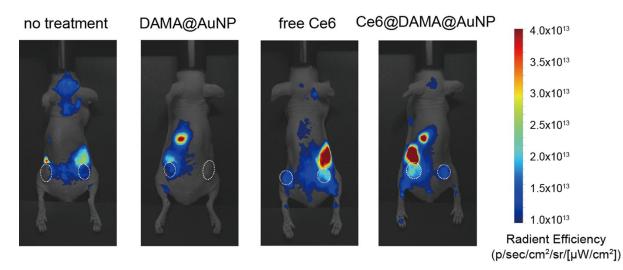


Figure S2. Cell viability (a) without and (b) with 660 nm laser irradiation  $(50 \text{mW/cm}^2)$  for 2 min at different concentration of Ce6.



**Figure S3.** In vivo fluorescence images of A549 tumor-bearing mice treated with no treatment, DAMA@AuNPs, free Ce6, and Ce6@DAMA@AuNPs after 9 h post injection.