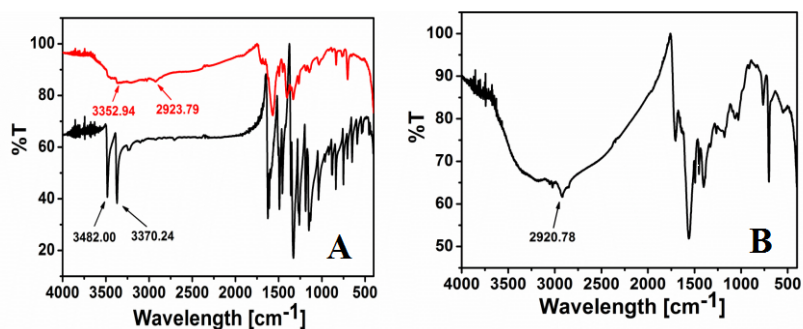


## Supporting Information

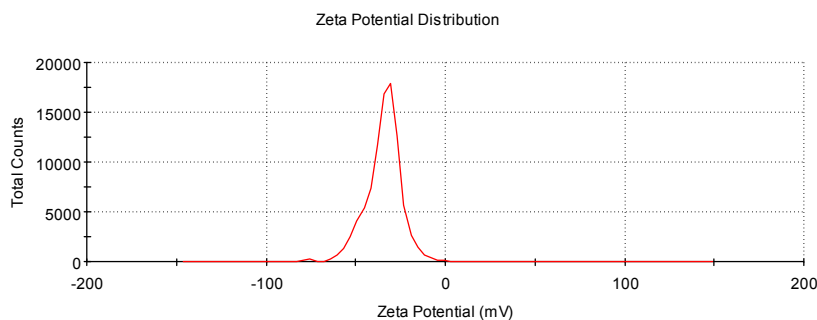
### A Targetable Nanogenerator of Nitric Oxide for Light-Triggered Cytotoxicity

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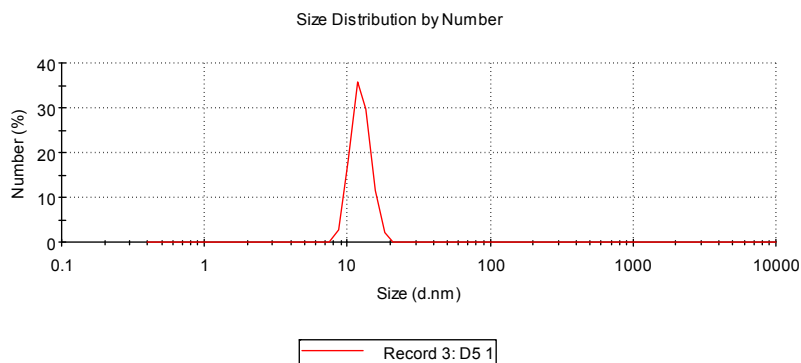
Department of Chemical Biology, College of Chemistry and Chemical Engineering, and the Key Laboratory for Chemical Biology of Fujian Province; Xiamen University, 361005, China;  
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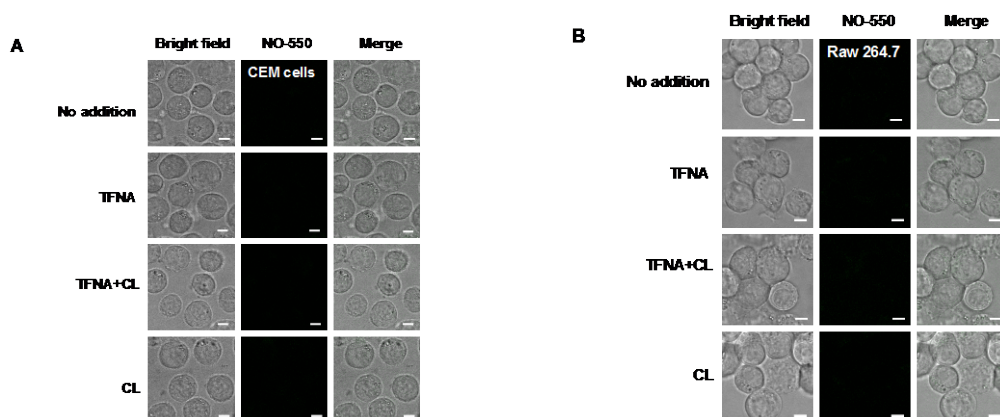
**Fig. S1** IR spectrum of T@P-M (**B**) compared with that of TFNA (**A**, shown in black) and P-M (**A**, shown in red).



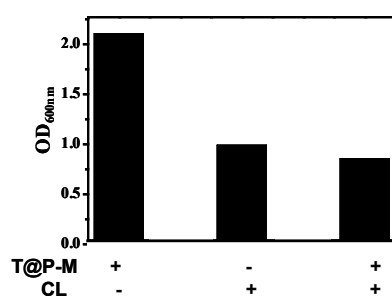
**Fig. S2** Zeta potential of T@P-M.



**Fig. S3** Diameter of mannosylated poly[styrene-alter-(maleic acid)] as determined by dynamic light scattering.



**Fig. S4** Imaging of NO in CEM cells (A) and Raw 264.7 cells (B) treated with NO-550. The cells were loaded with TFNA ( $0.107 \text{ mg mL}^{-1}$ ), washed with PBS, and then cultured in DMEM or RPMI-1640 spiked with NO-550 ( $20 \text{ }\mu\text{M}$ ) at  $37 \text{ }^\circ\text{C}$  for 20 min. The cells were washed and then incubated for 5 min in PBS containing luminol ( $0.5 \text{ mM}$ ), 4-iodophenol ( $1 \text{ mM}$ ),  $\text{H}_2\text{O}_2$  ( $0.4 \text{ mM}$ ) and HRP ( $12 \text{ }\mu\text{g mL}^{-1}$ ). The cells were isolated and then imaged by fluorescence microscopy using an excitation wavelength of 476 nm.



**Fig. S5** Effects of T@P-M on the viability of *Staphylococcus aureus* under CL.

*Staphylococcus aureus* was separately incubated for 30 min in PBS spiked with or without T@P ( $8 \text{ mg mL}^{-1}$ ) and then illuminated with CL for 5 min. The cells were isolated and then cultured in LB medium at  $37 \text{ }^\circ\text{C}$  for 24 h and the  $\text{OD}_{600}$  values of these cell suspensions were measured.