Supporting Information

Spraying photodynamic antibacterial coating based on the host-guest immobilization of photosensitizer

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Scheme 1. Synthetic route for the MeHA and HACD.

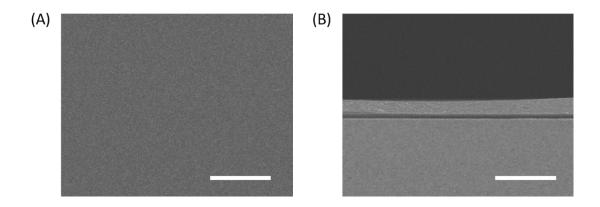


Figure S1. SEM (A) surface and (B) cross sectional images of HACD coating. The scale bar is 3 μm .

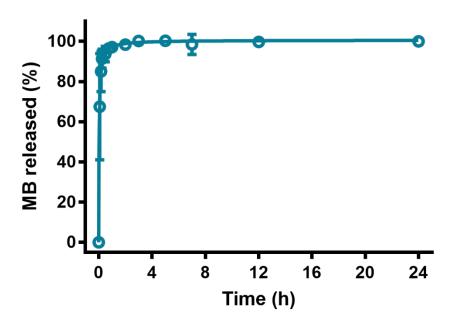
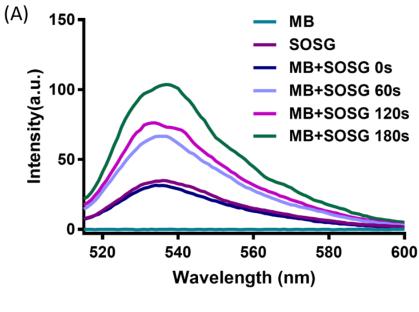


Figure S2. The Release profile of MB from coating which was dipped into MB solution without washing step in PBS solution (1 mL) within 24 h.



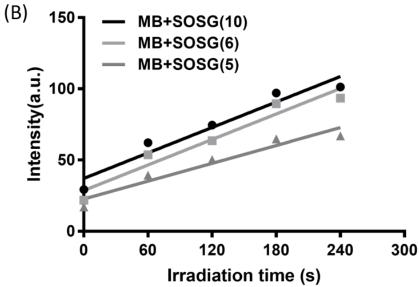


Figure S3. (A) The fluorescence emission spectra of solutions under different irradiation time. (B) Time-dependent fluorescence intensity curves at 531 nm, [SOSG]=5, 6, 10 μ M, [MB]=10 μ M.

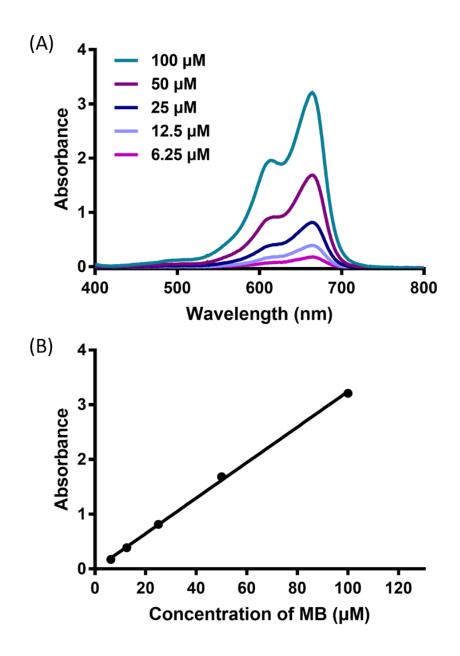


Figure S4. (A) The UV/vis spectra of MB aqueous solution (6.25-100 μM) and (B) standard curve at 664 nm.