

Supporting Information for
**Silver-Decorated, Light-Activatable Polymeric
Antimicrobials for Combined Chemo-Photodynamic
Therapy of Drug-Resistant Bacterial Infection**

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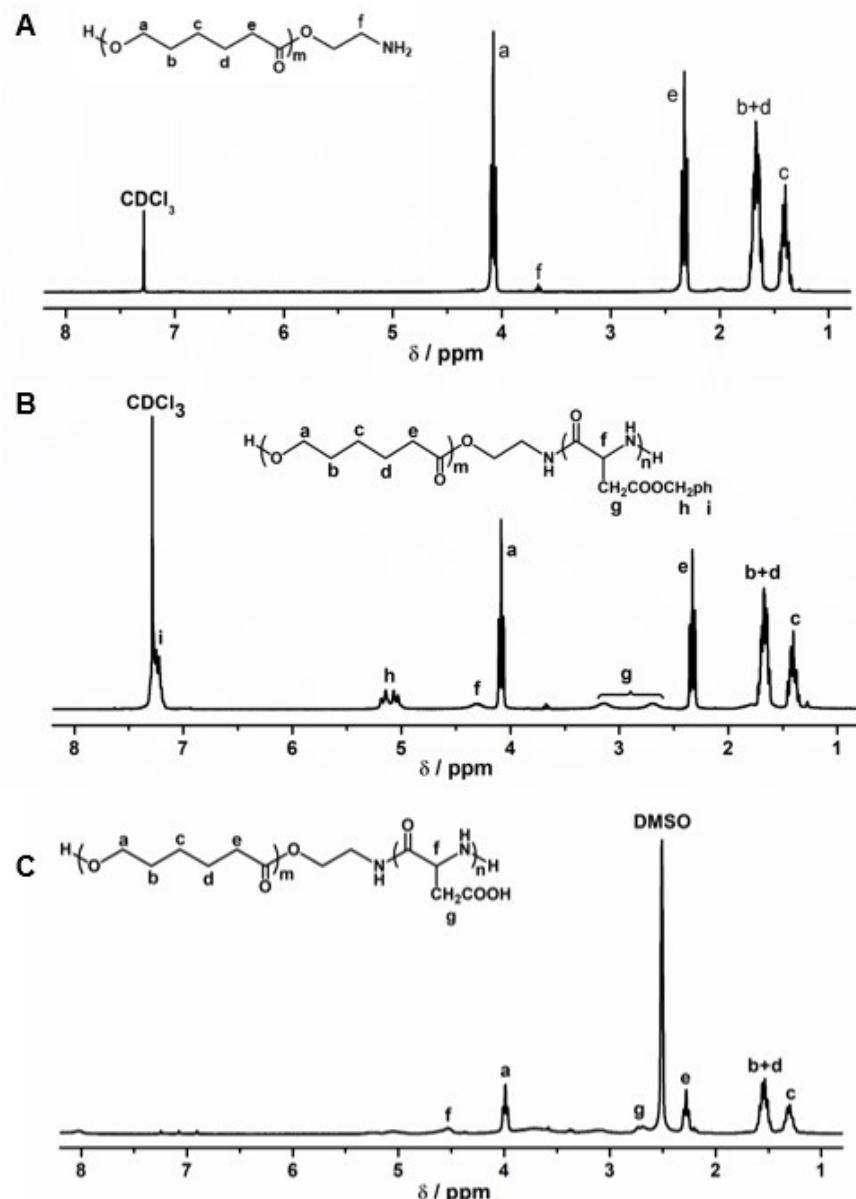


Fig. S1 ¹H NMR spectra of (A) PCL-NHBoc, (B) PCL-NH₂, (C) PCL-*b*-PAsp.

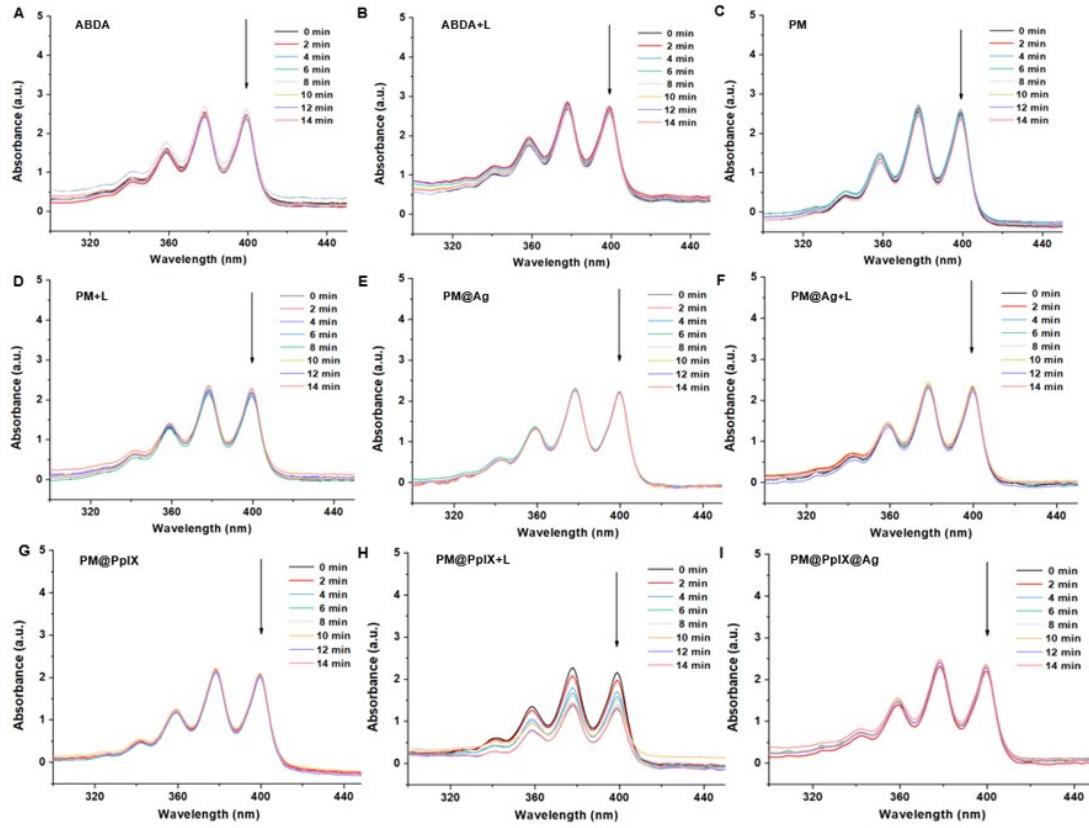


Fig. S2 UV-VIS absorption spectra of ABDA detected the ROS production from ABDA(A), ABDA+L(B), PM(C), PM+L(D), PM@Ag(E), PM@Ag+L(F), PM@PpIX(G), PM@PpIX+L(H), PM@PpIX@Ag(I) for different times.

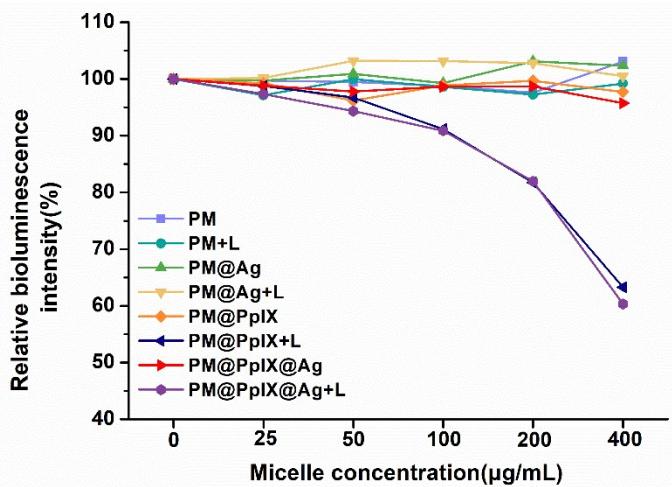


Fig. S3 Relative absorption intensities of four kinds of micelles at different concentrations with or without laser irradiation for 14 min.

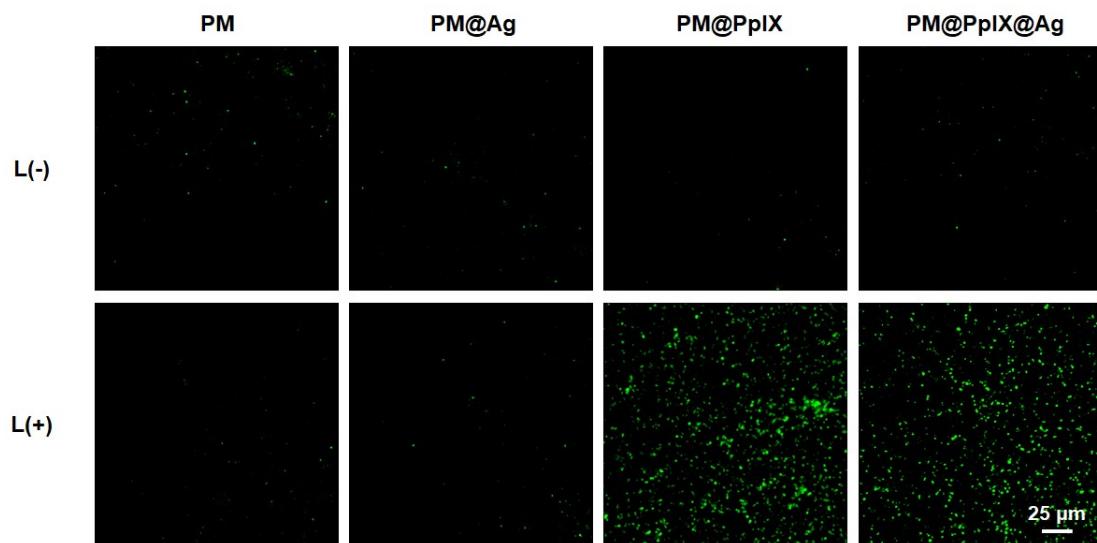


Fig. S4 Intracellular ROS detection in bacteria after incubation with different micelles and light exposure using DCFH-DA as the indicator.

Table S1. the silver content of PM@Ag and PM@PpIX@Ag.

sample	the content of Ag per mg micelles(μg)
PM@Ag	52.2
PM@PpIX@Ag	58

Table S2. the silver content in bacteria after incubation of PM@PpIX@Ag or PM@Ag micelles.

sample	the content of Ag per 10^8 bacteria(μg)
PM@Ag	1.8023
PM@PpIX@Ag	1.8997

Table S3. the silver content in infected wound after different days treatment with PM@PpIX@Ag+Laser.

different days treatment with PM@PpIX@Ag+Laser	the content of Ag in infected wound (μg)
5	6.36
10	0.64