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# Electronic Supplementary Information

*of*

# A Versatile Bacterial Membrane Binding Chimeric Peptide with Enhanced Photodynamic Antimicrobial Activity

*Ai-Nv Zhang,‡[a] Wei Wu,‡[b] Chi Zhang,[b] Qiu-Yang Wang,[b] Ze-Nan Zhuang,[b] Han Cheng,*[b] and Xian-Zheng Zhang*[b]*

[a] College of Pharmacy, Hubei University of Medicine, Shiyan 442000, P. R. China

[b] Key Laboratory of Biomedical Polymers of Ministry of Education & Department of Chemistry, Wuhan University, Wuhan 430072, P. R. China

*Corresponding authors: chm128256@163.com (H. C.), xz-zhang@whu.edu.cn (X. Z. Z.)

‡These authors contributed equally to this work.

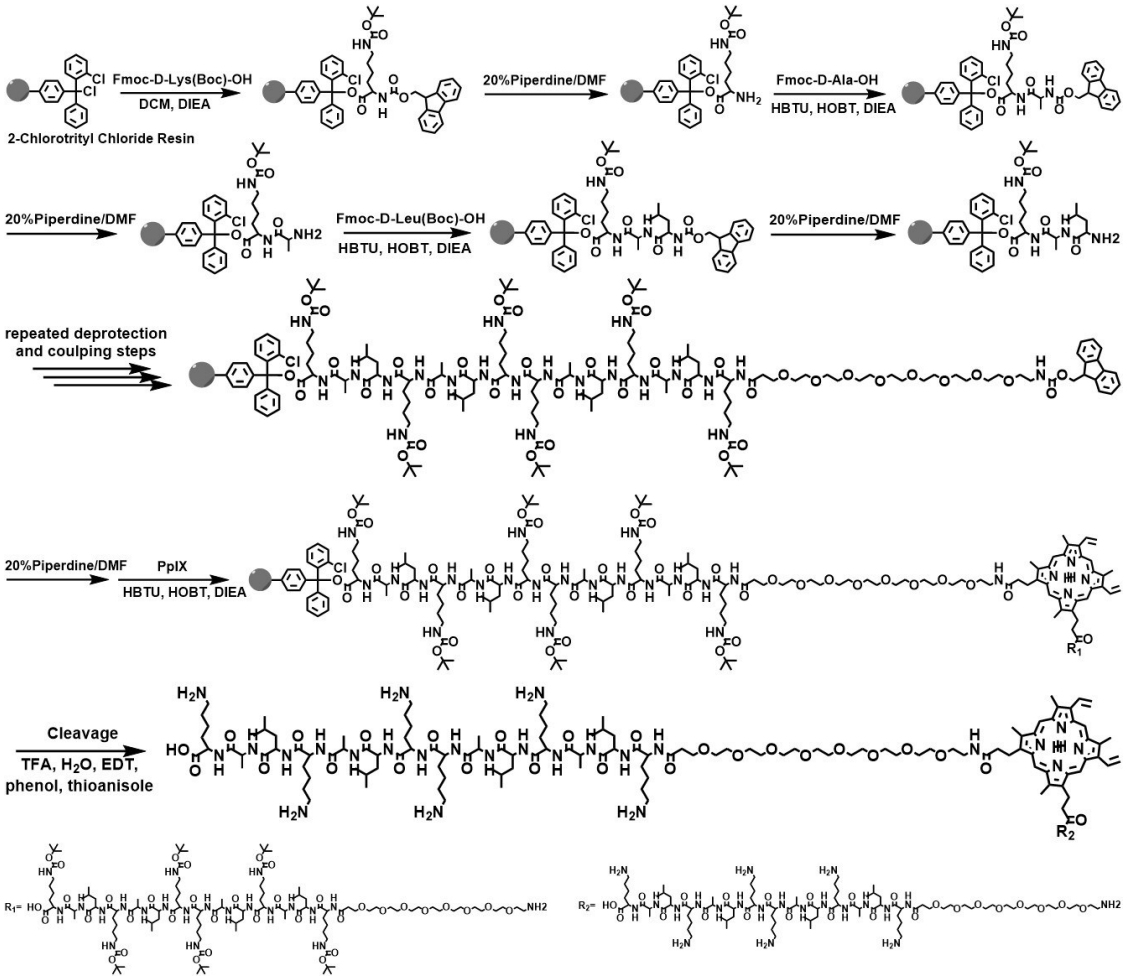


**Figure S1.** The synthesis process of positive-charged chimeric peptide PPK.

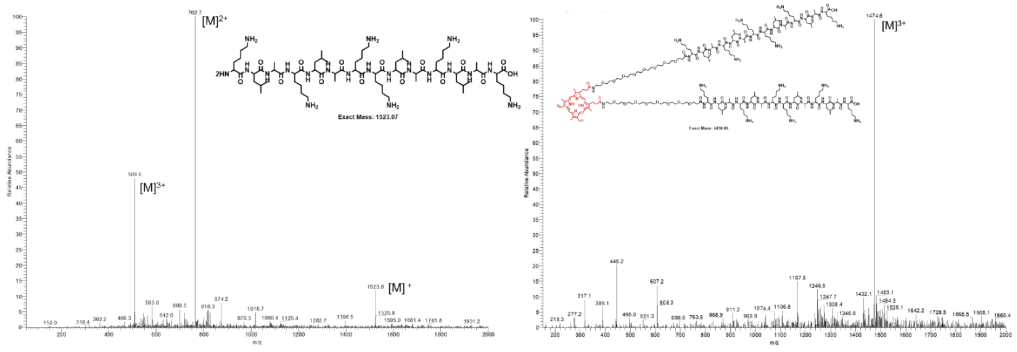


**Figure S2**. ESI-MS of KLA (left) and PPK (right).

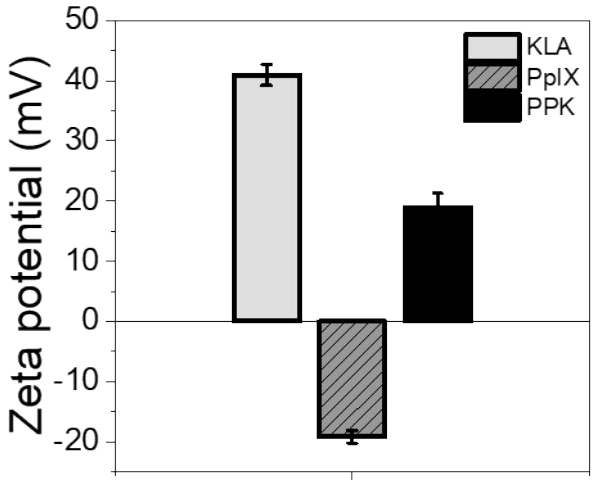


**Figure S3**. Zeta potential of KLA PpIX and PPK.

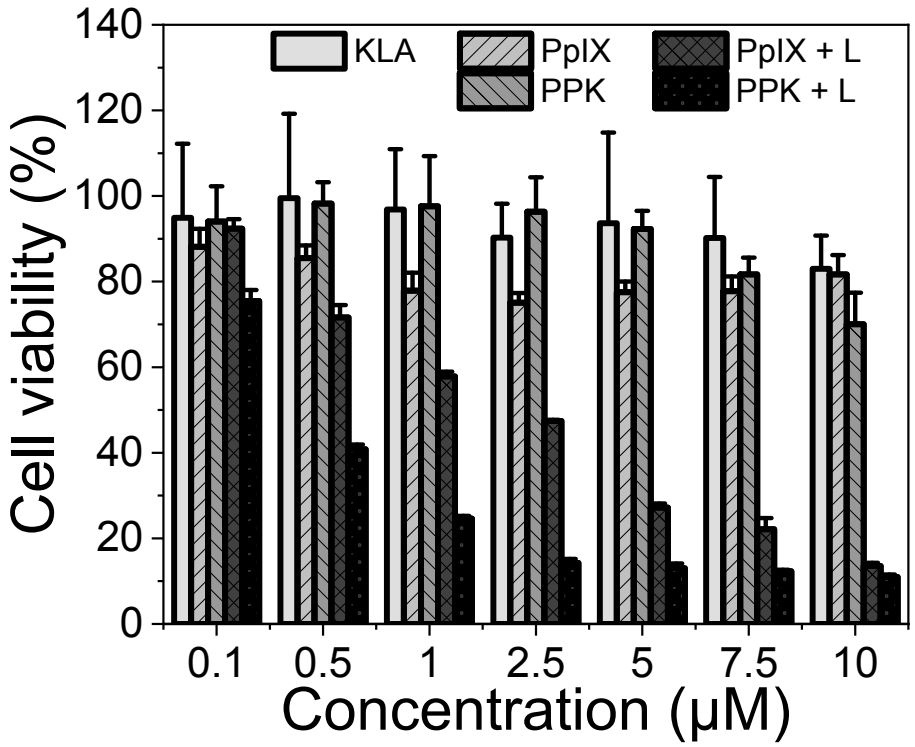


**Figure S4**. Cell viability of mouse embryonic fibroblast (3T3) with different treatments.

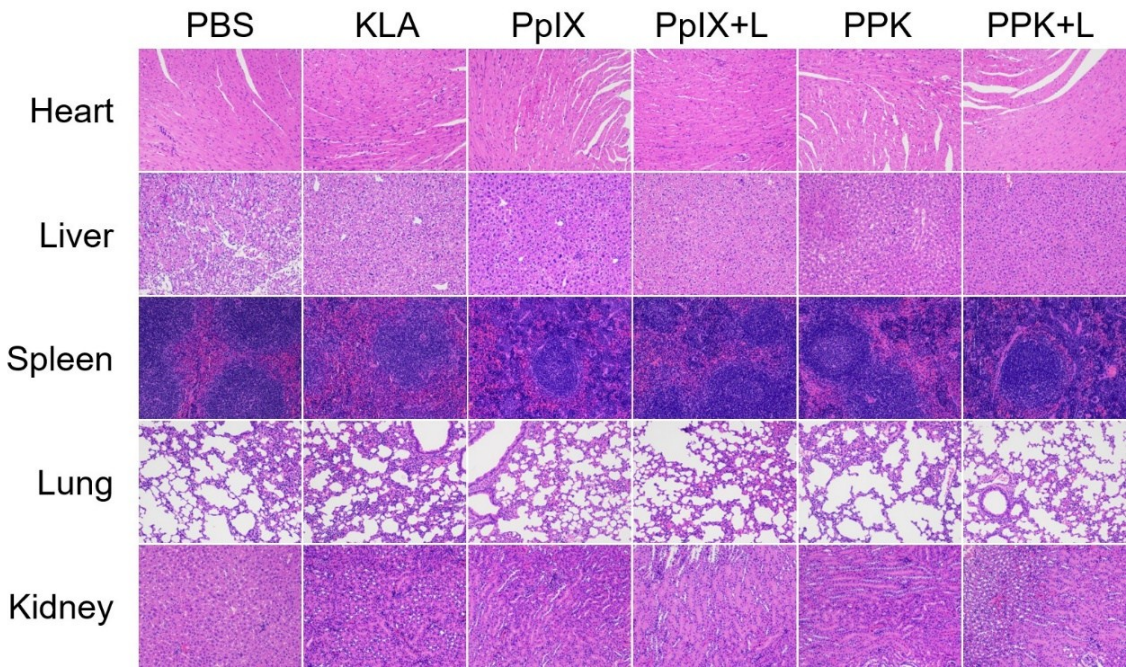


**Figure S5.** H&E-stained tissue sections from heart, liver, spleen, lung and kidney organs of *S. aureus*-infected mice after 7 days of different treatments.

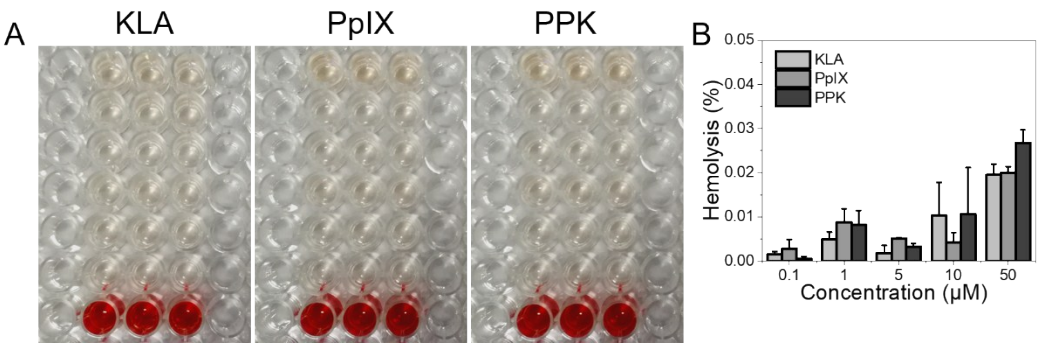


**Figure S6.** A) The images of hemolysis of KLA, PpIX and PPK with different concentrations. B) The value of hemolysis of KLA, PpIX and PPK with different concentrations.

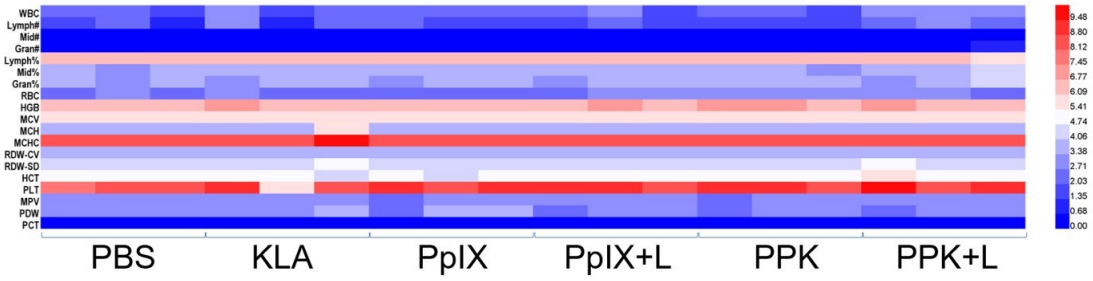


**Figure S7.** Hematologic analysis of post-injection mice with different treatments.