Electronic Supplementary Information

Facially amphiphilic skeleton-derived antibacterial crown ether/silver ion complexes

Qingsheng Wang,^a Wen Huang,^b Qian Sun,^b Mengqi Le,^b Lili Cai,^{c*}, Yong-Guang Jia^{d*}

^a.Orthopedics Department, General Hospital of Pingmei Shenma Group, Pingdingshan 467000, China;

^b.School of Materials Science and Engineering, South China University of Technology, Guangzhou 510641, China;

^c.School of Life Science, Zhuhai College of Science and Technology, Zhuhai 519040, China ^d.Center for Advanced Materials Research, Beijing Normal University, Zhuhai 519087, China

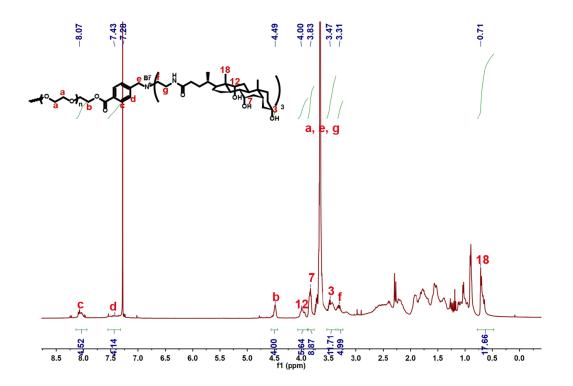


Figure S1. ¹H-NMR spectrum of $D-CA_6$ in $CDCl_3$ and it's integral lables of characteristic peaks.

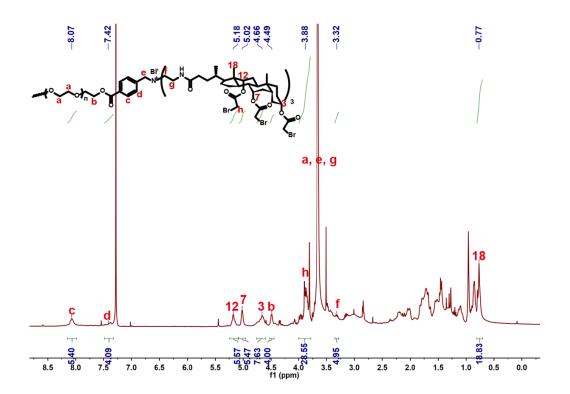


Figure S2. ¹H-NMR spectrum of D-CA₆-Br in CDCl₃ and it's integral lables of characteristic peaks.

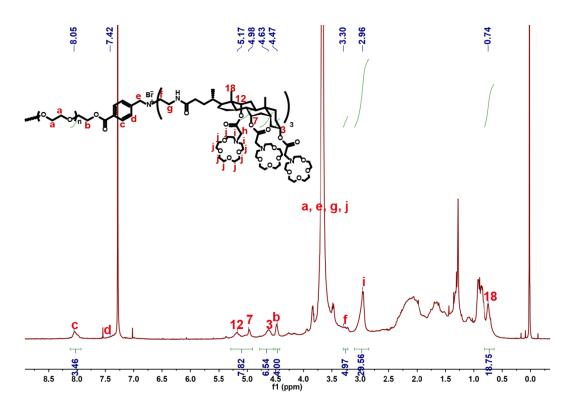


Figure S3. ¹H-NMR spectrum of D-CA₆-CE in CDCl₃ and it's integral lables of characteristic peaks.

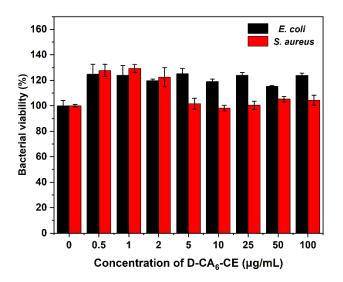


Figure S4. The antibacterial viabilities of D-CA₆-CE against *E. coli* and *S. aureus*.