

Supporting Information

Lipidated α /Sulfono- α -AA heterogeneous peptides as antimicrobial agents for MRSA

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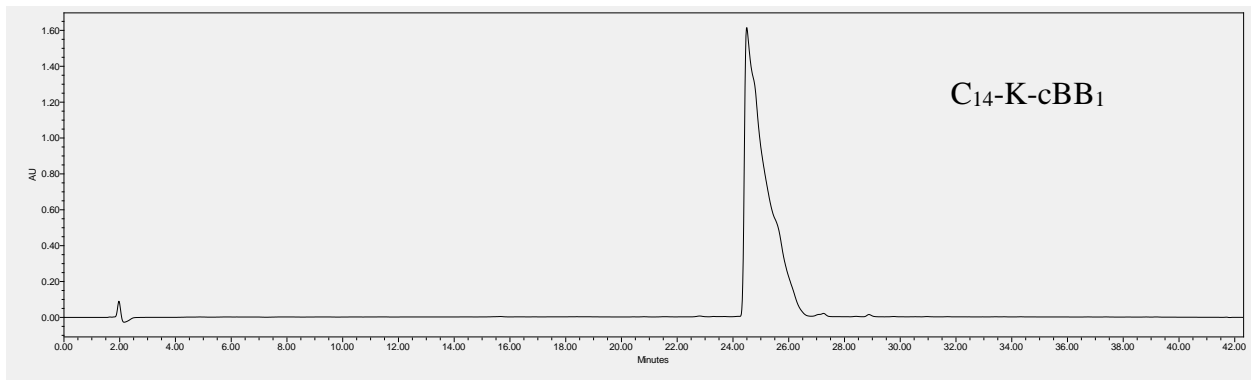
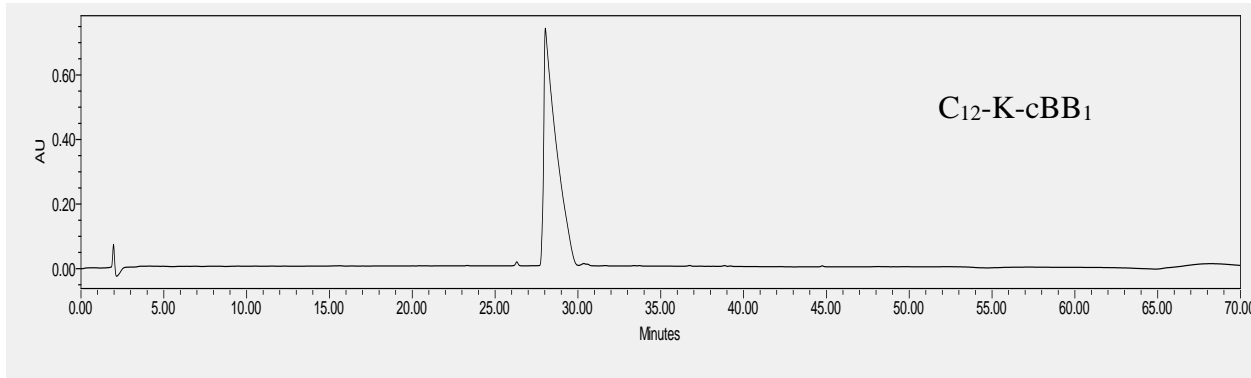
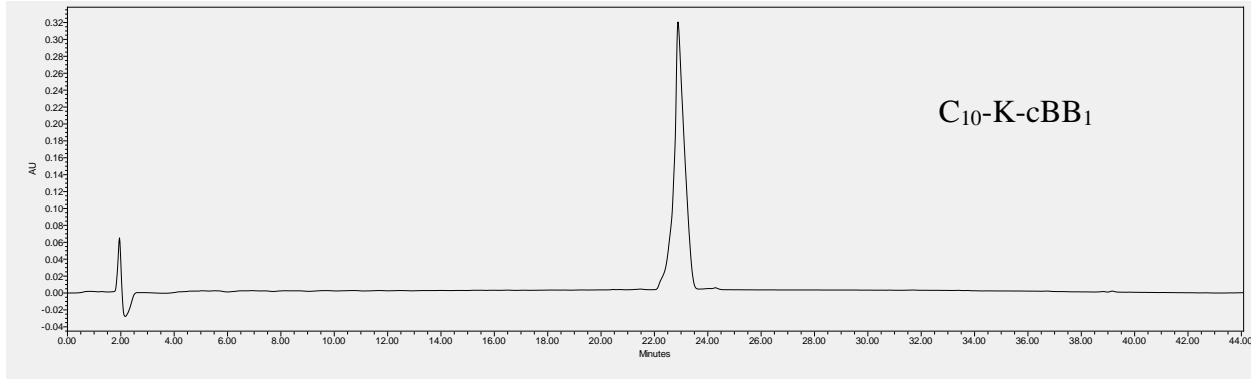
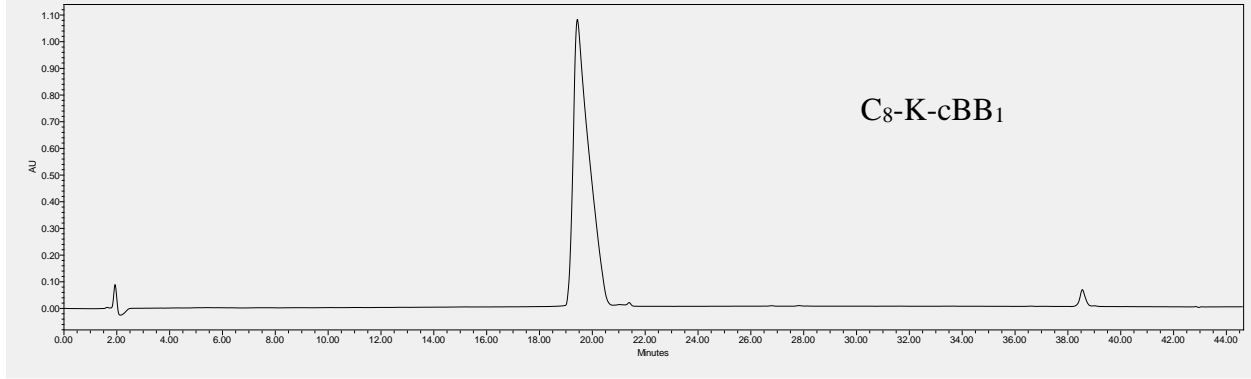
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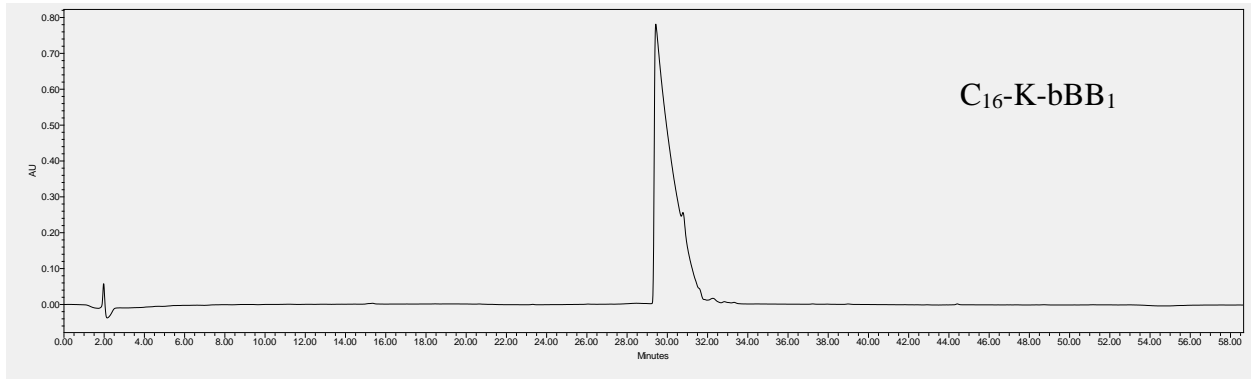
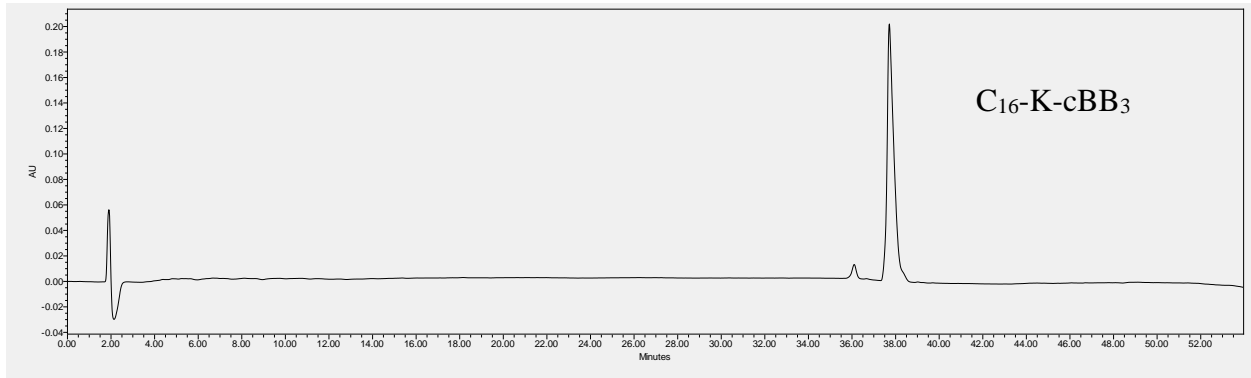
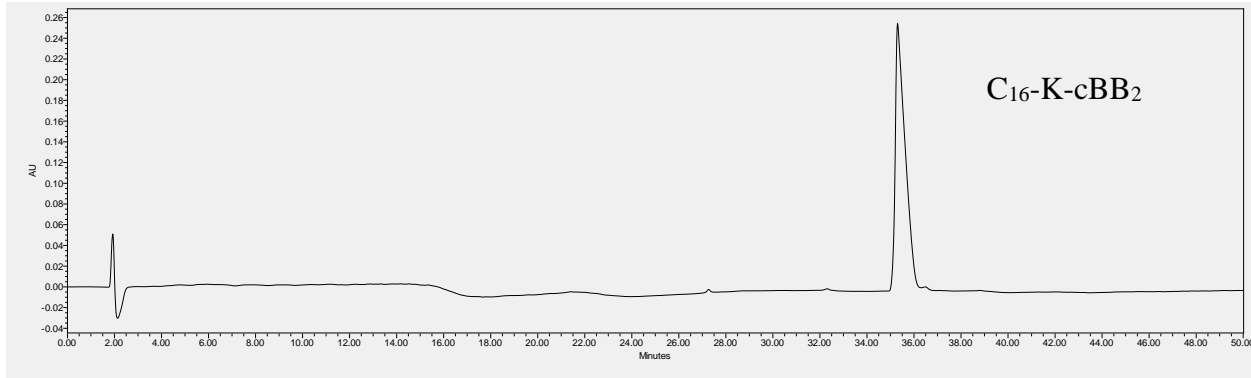
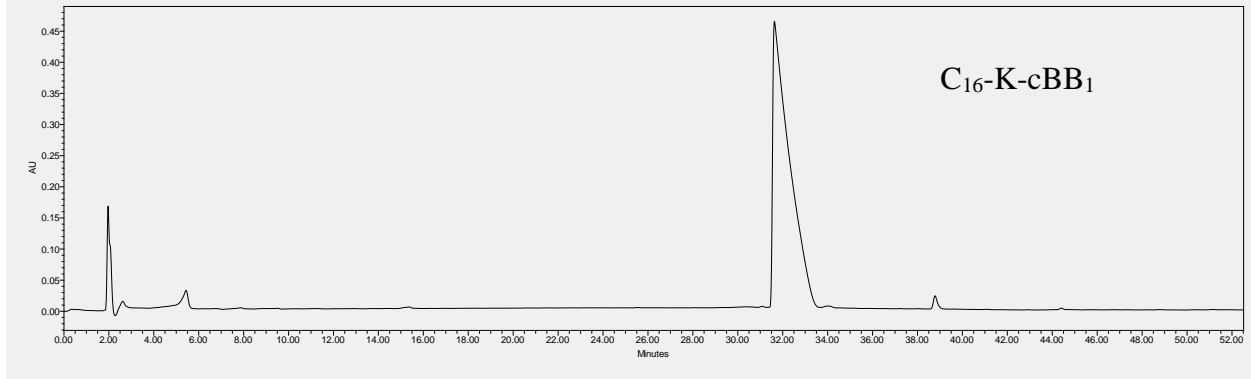
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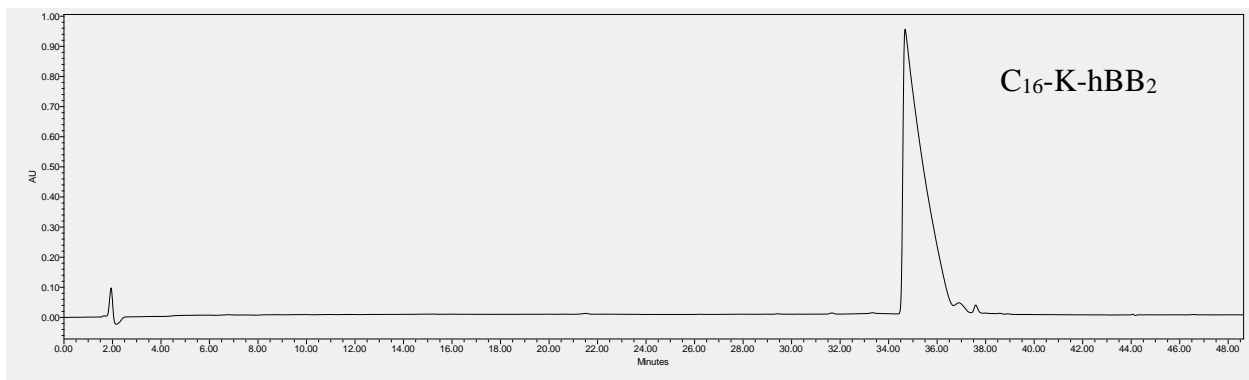
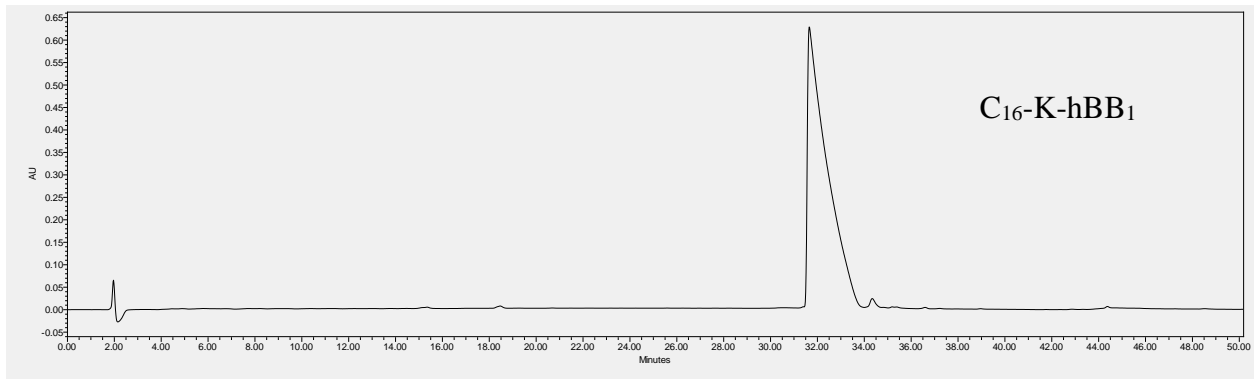
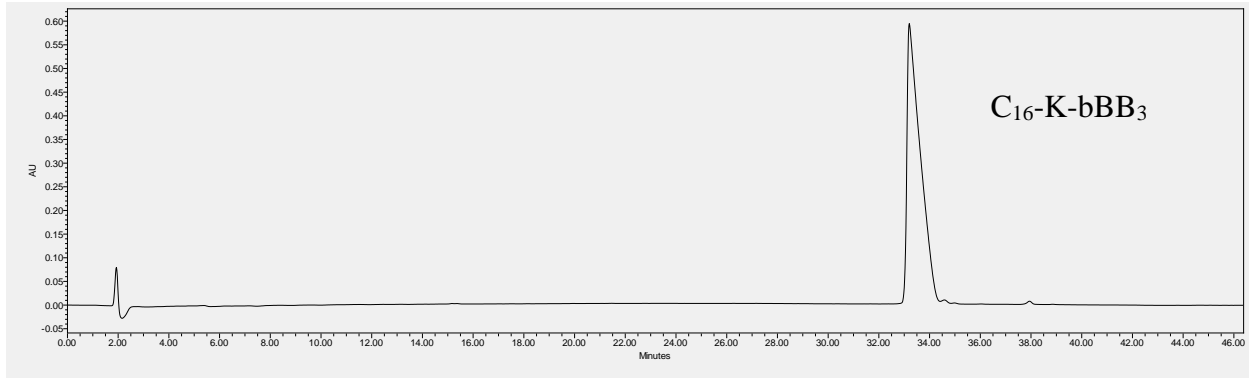
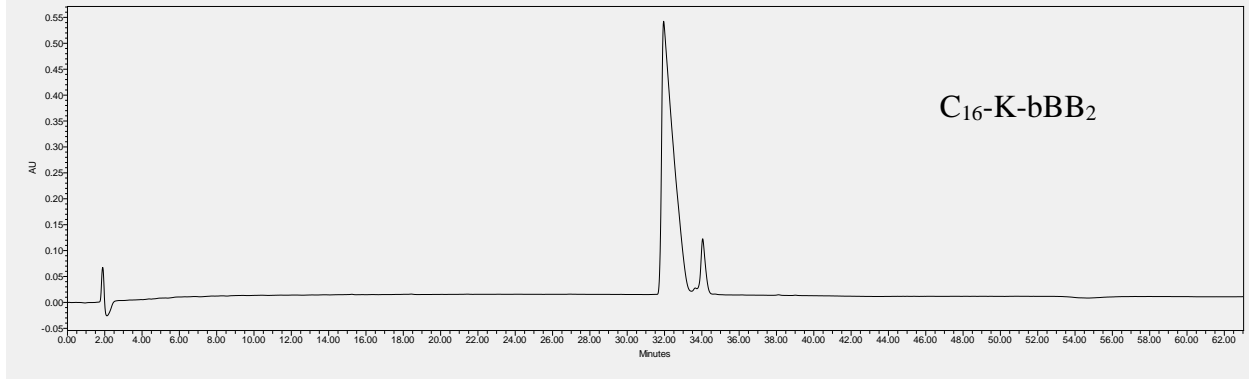
HPLC DATA

Compound Name	Retention Time
C ₈ -K-cBB ₁	19.44
C ₁₀ -K-cBB ₁	22.89
C ₁₂ -K-cBB ₁	24.50
C ₁₄ -K-cBB ₁	28.04
C ₁₆ -K-cBB ₁	31.64
C ₁₆ -K-cBB ₂	35.31
C ₁₆ -K-cBB ₃	37.70
C ₁₆ -K-bBB ₁	29.43
C ₁₆ -K-bBB ₂	31.96
C ₁₆ -K-bBB ₃	33.21
C ₁₆ -K-hBB ₁	31.66
C ₁₆ -K-hBB ₂	34.66
C ₁₆ -K-hBB ₃	37.19

Table S1: HPLC retention time







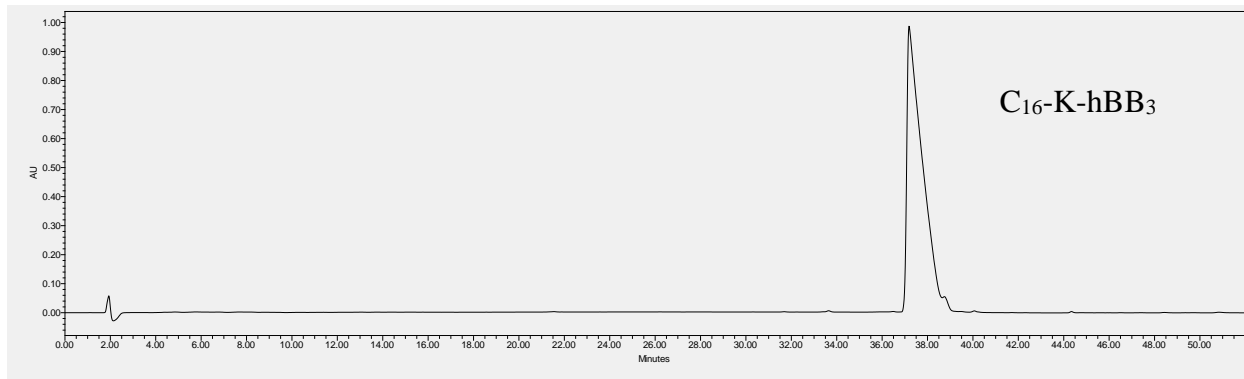


Figure S1: HPLC Spectra showing purity and retention time of all compounds synthesized

Compound Name	MW	MW (Theoretical)
C ₈ -K-cBB ₁	559.26	560.15
C ₁₀ -K-cBB ₁	587.29	588.21
C ₁₂ -K-cBB ₁	615.32	616.26
C ₁₄ -K-cBB ₁	643.35	644.31
C ₁₆ -K-cBB ₁	671.38	672.37
C ₁₆ -K-cBB ₂	959.42	961.11
C ₁₆ -K-cBB ₃	1247.86	1249.80
C ₁₆ -K-bBB ₁	715.34	716.82
C ₁₆ -K-bBB ₂	1047.32	1050.02
C ₁₆ -K-bBB ₃	1379.31	1383.22
C ₁₆ -K-hBB ₁	637.42	637.93
C ₁₆ -K-hBB ₂	891.49	892.23
C ₁₆ -K-hBB ₃	1145.57	1146.53

Table S2: Masses as Shown by Quadrupole Time of Flight Mass Spectrometer and Theoretical Values