

Supporting Information

Lipidated α/α -AA heterogeneous peptides as antimicrobial agents

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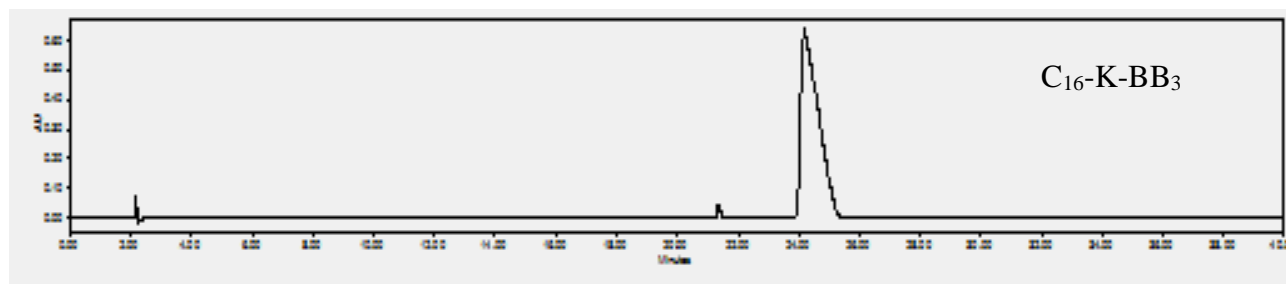
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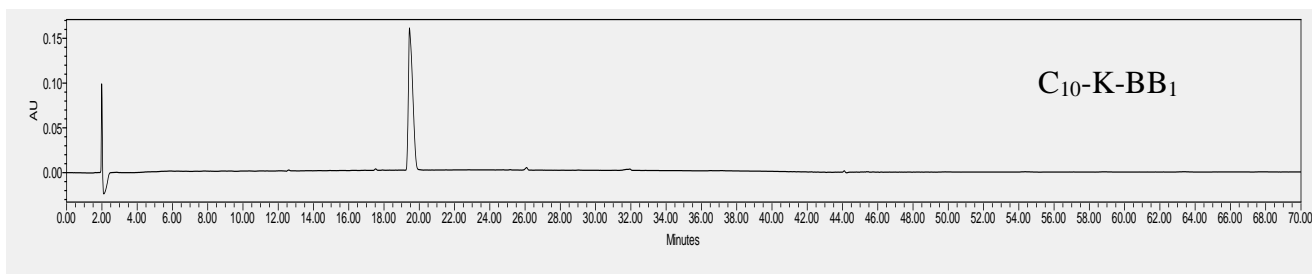
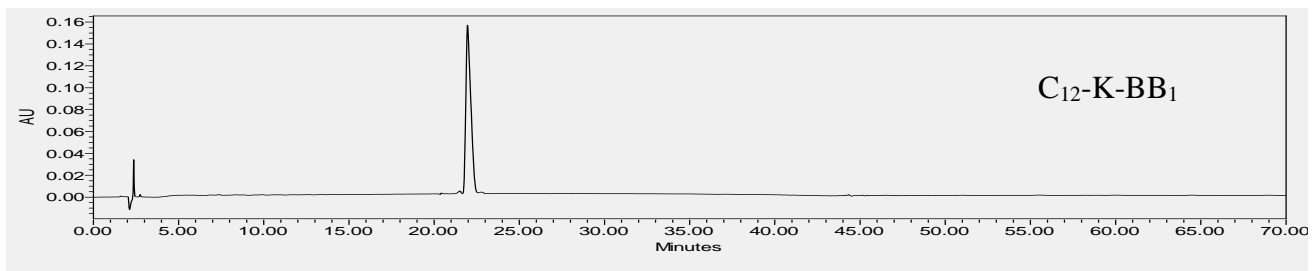
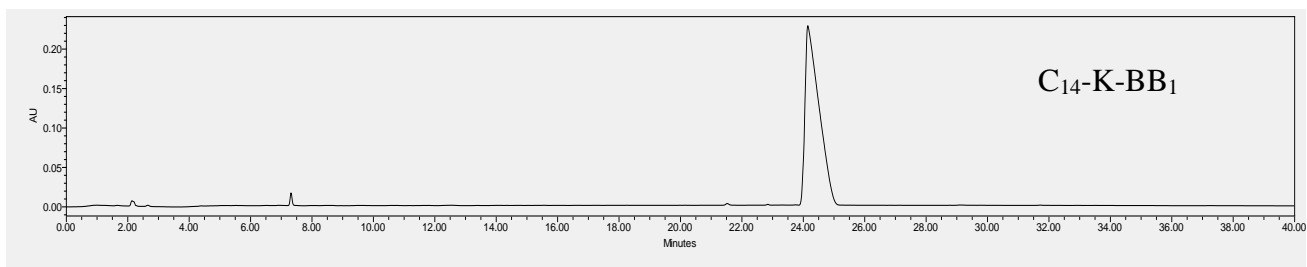
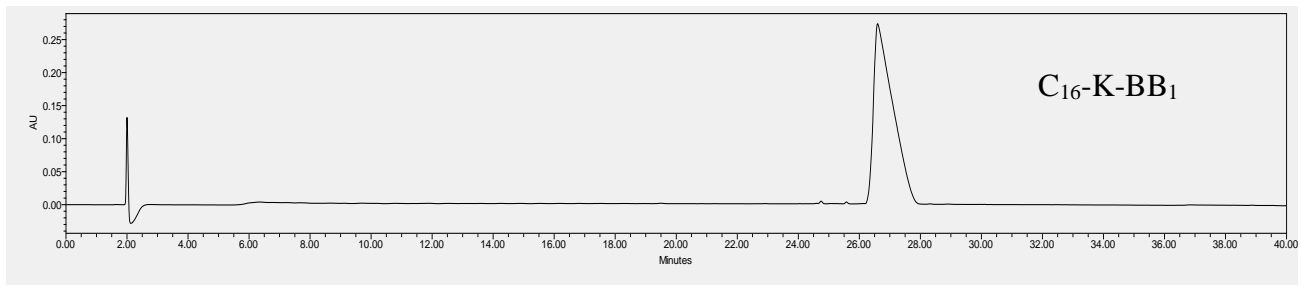
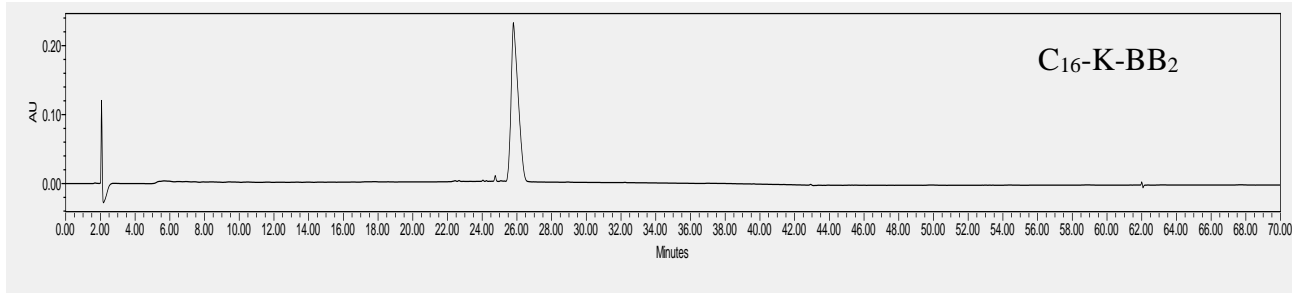
Florida 33620, United States

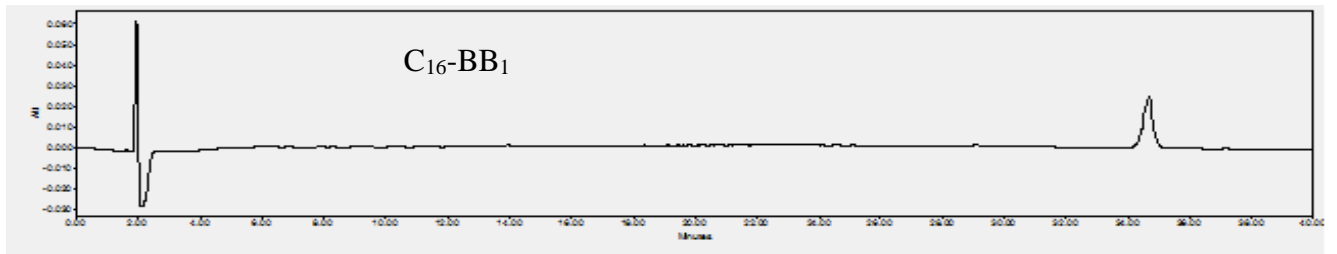
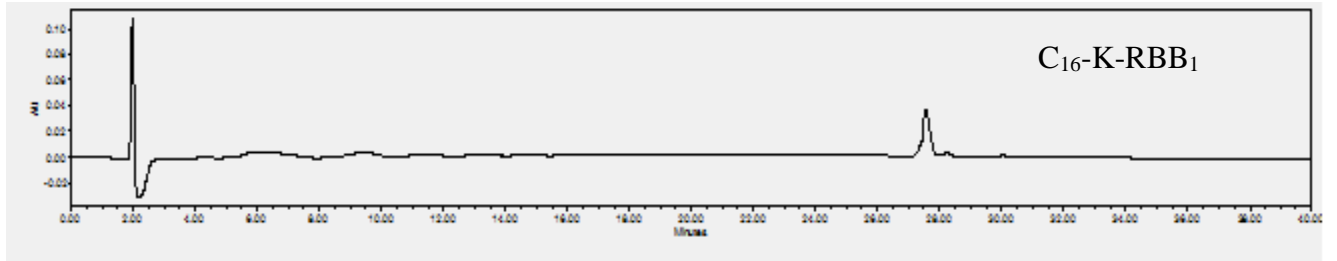
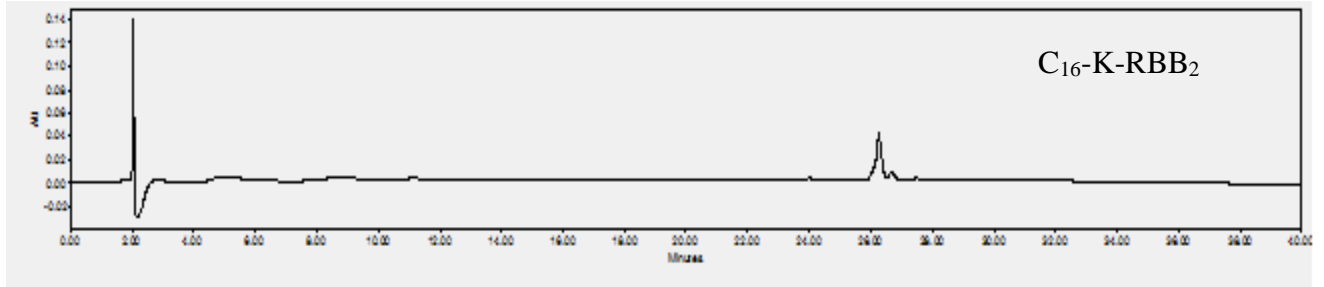
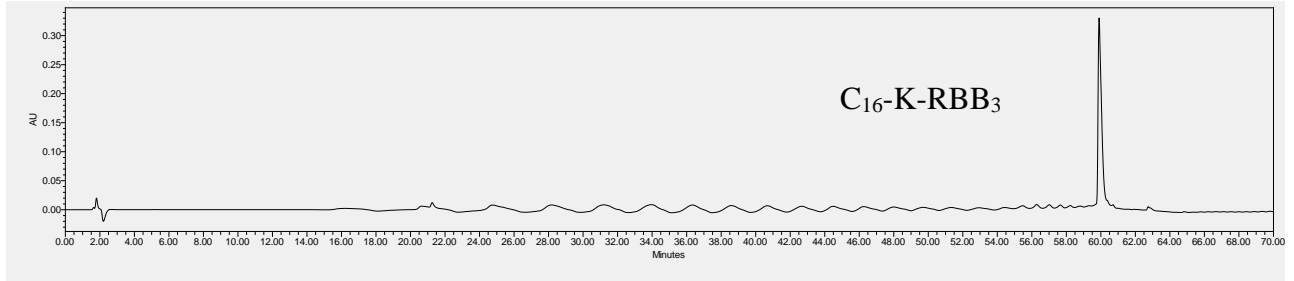
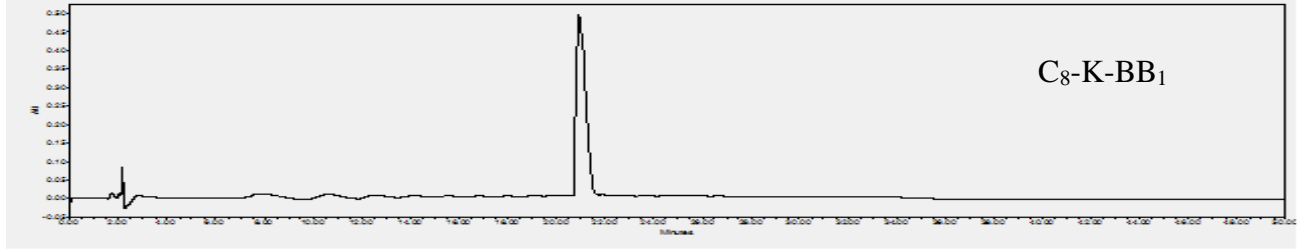
HPLC DATA

Compound Name	Retention Time
C ₁₆ -K-BB ₃	24.2154
C ₁₆ -K-BB ₂	25.8474
C ₁₆ -K-BB ₁	26.6709
C ₁₄ -K-BB ₁	24.1858
C ₁₂ -K-BB ₁	22.0125
C ₁₀ -K-BB ₁	19.5734
C ₈ -K-BB ₁	17.0797
C ₆ -K-BB ₁	14.2120
C ₁₆ -K-RBB ₃	59.8482
C ₁₆ -K-RBB ₂	26.8863
C ₁₆ -K-RBB ₁	27.6704
C ₁₆ -BB ₁	34.8392
C ₁₆ -K-F-K	26.2337

Table S1: HPLC retention time







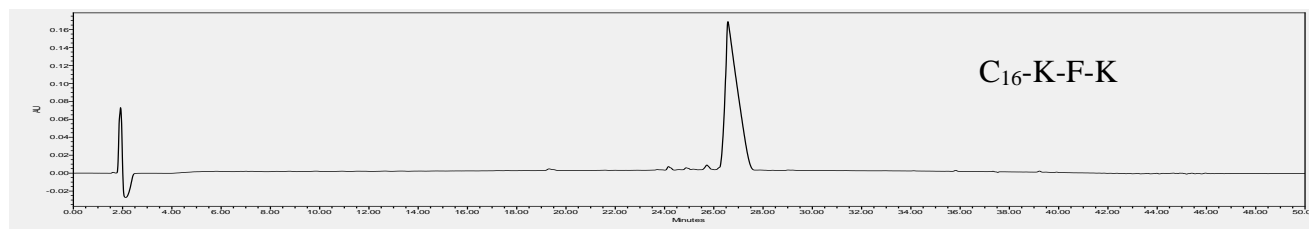


Figure S1: HPLC Spectra showing purity and retention time of all compounds synthesized

Matrix Assisted Laser Desorption/Ionization- Time of Flight (MALDI-TOF)

Compound Name	MW (M+H)⁺	MW (Theoretical)
C ₁₆ -K-BB ₃	1295.02	1293.84
C ₁₆ -K-BB ₂	991.77	990.43
C ₁₆ -K-BB ₁	688.53	687.03
C ₁₄ -K-BB ₁	660.56	685.97
C ₁₂ -K-BB ₁	632.51	630.92
C ₁₀ -K-BB ₁	604.50	602.87
C ₈ -K-BB ₁	576.45	574.81
C ₆ -K-BB ₁	548.43	546.76
C ₁₆ -K-RBB ₃	1210.12	1209.68
C ₁₆ -K-RBB ₂	936.50	934.33
C ₁₆ -K-RBB ₁	659.60	658.97
C ₁₆ -BB ₁	560.48	558.85
C ₁₆ -K-F-K	659.60	658.97

Table S2: Masses as Shown by MALDI-TOF and Theoretical Values