

Supplementary Materials: Oleyl Conjugated Histidine-Arginine Cell-Penetrating Peptides as Promising Agents for siRNA Delivery

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1. Analytical HPLC chromatogram of conjugated peptides

HPLC Method: The purity of the peptides was determined using reverse phase analytical HPLC method at a flow rate 0.5 mL/min on Shimadzu (LC-20ADXR) with a gradient system of water with 0.1% TFA (solvent A) and mixture of acetonitrile and isopropyl alcohol (8:2) with 0.1% TFA (solvent B), using (Phenomenex Luna, 4 μ m C18 150 \times 4.6 mm HPLC Column).

Time	% Solvent B
0.01	5
5.0	5
10.0	12
25.0	60
27.0	95
32.0	95
32.01	5
38.0	5

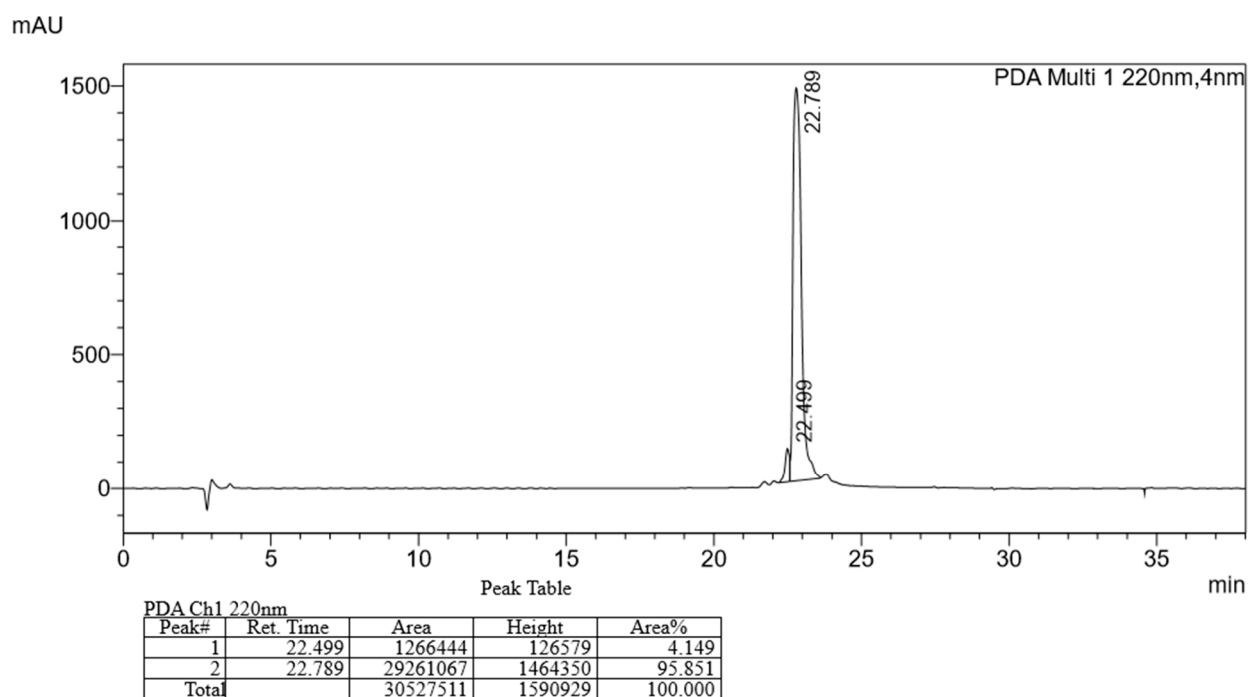


Figure S1. HPLC chromatogram of Oleyl-(HR)₄.

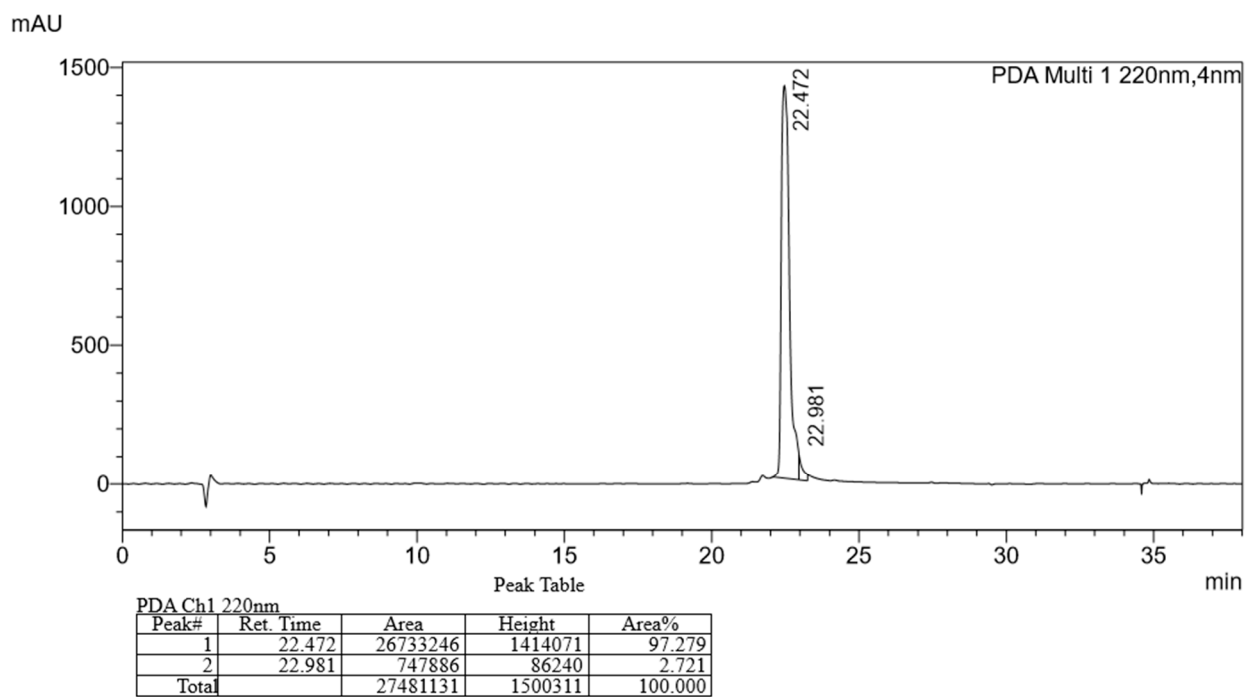


Figure S2. HPLC chromatogram of Oleyl-R₁-(HR)₄.

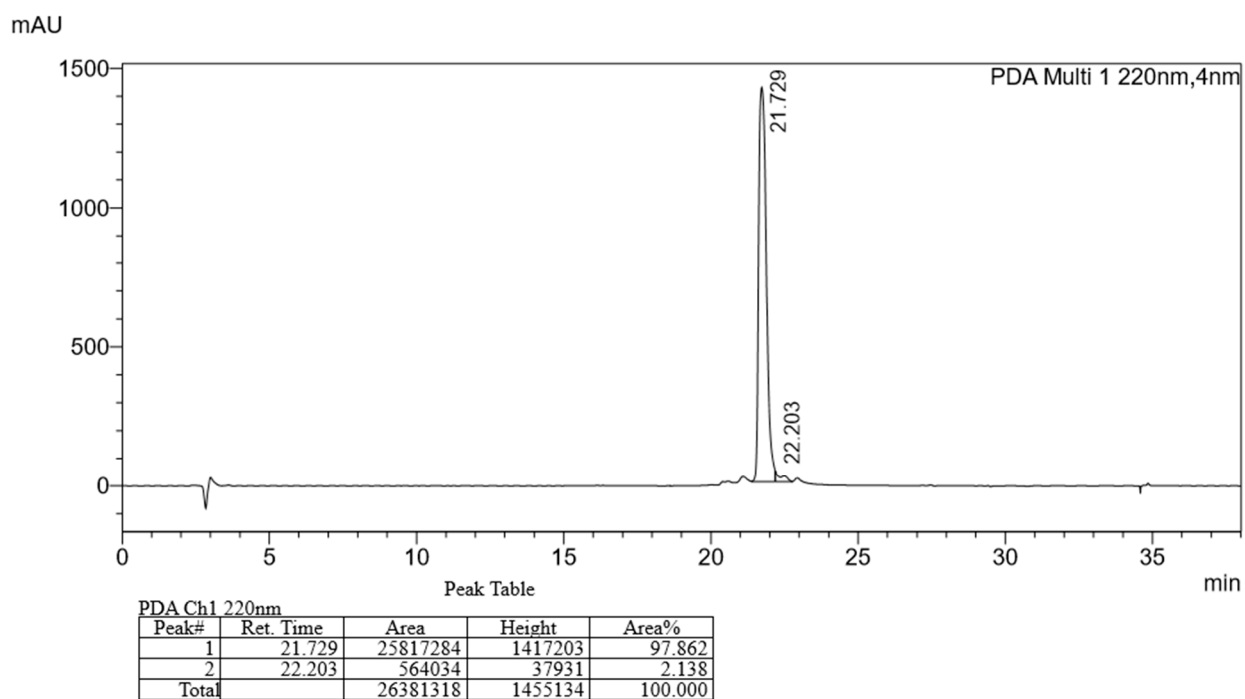


Figure S3. HPLC chromatogram of Oleyl-R₂-(HR)₄.

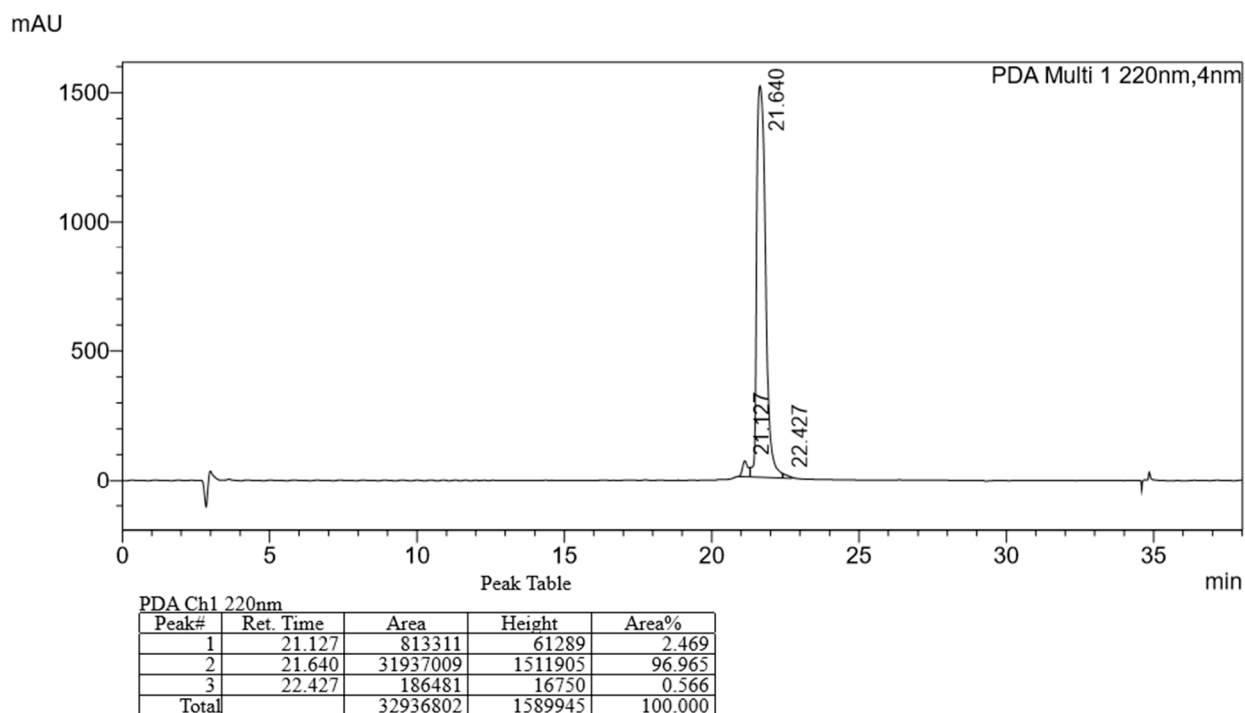


Figure S4. HPLC chromatogram of Oleyl-R₃-(HR)₄.

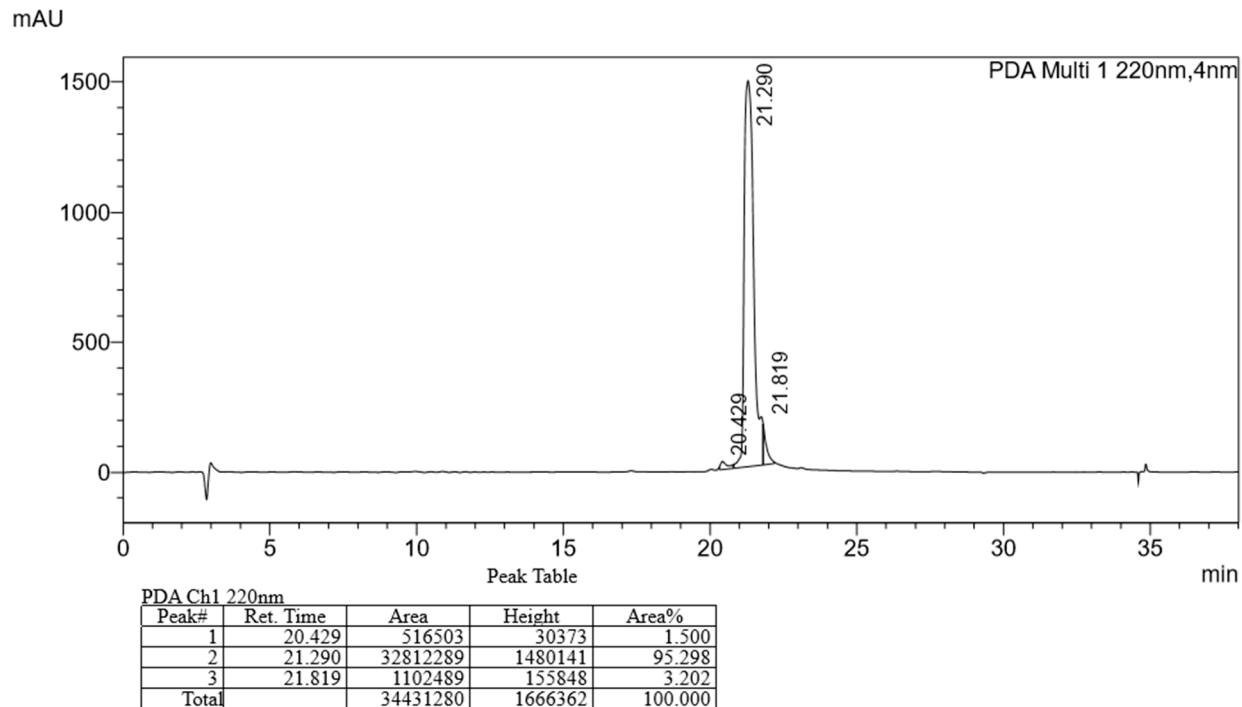


Figure S5. HPLC chromatogram of Oleyl-R₄-(HR)₄.

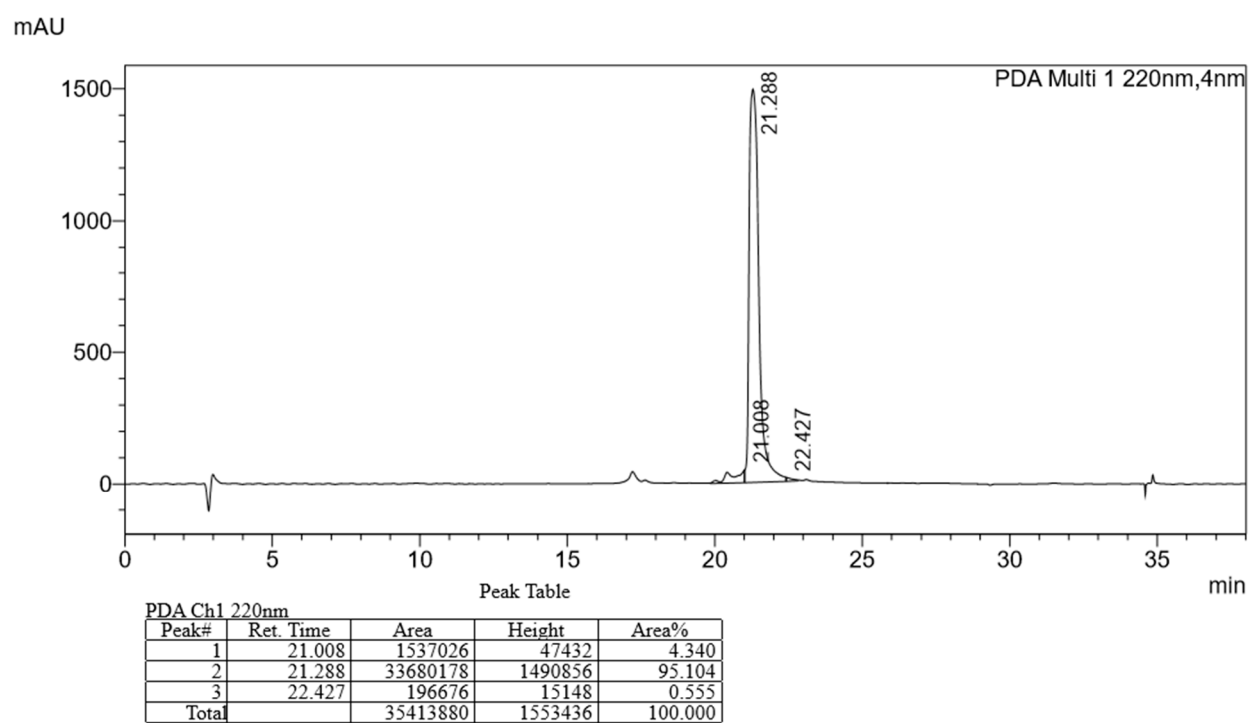


Figure S6. HPLC chromatogram of Oleyl-R₅-(HR)₄.

2. MALDI-TOF mass spectrum of conjugated peptides

3.

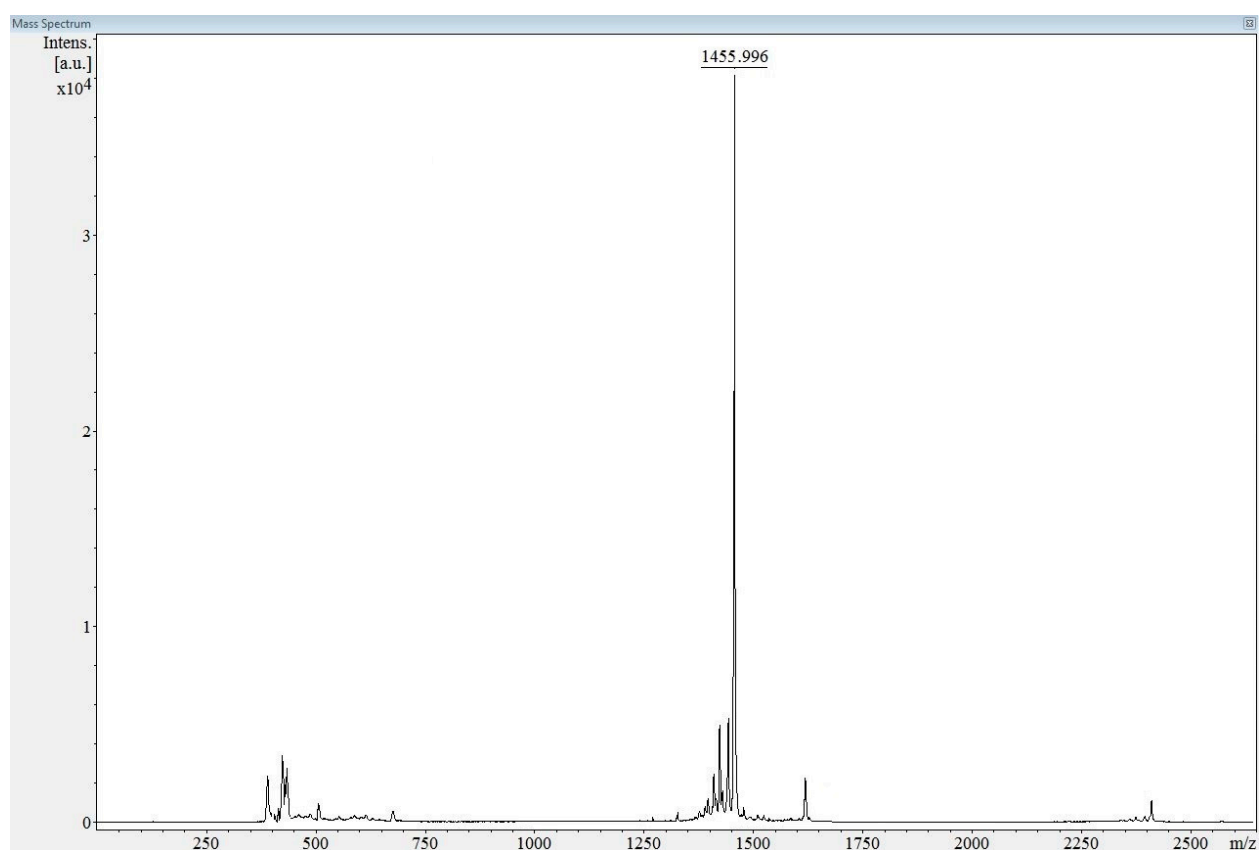
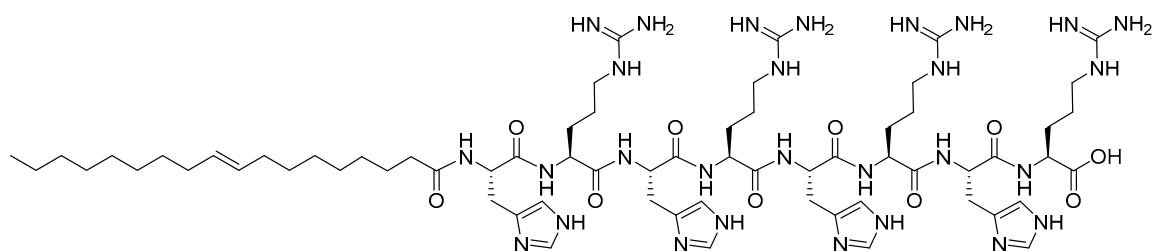


Figure S7. MALDI-TOF mass spectrum of Oleyl-(HR)₄.

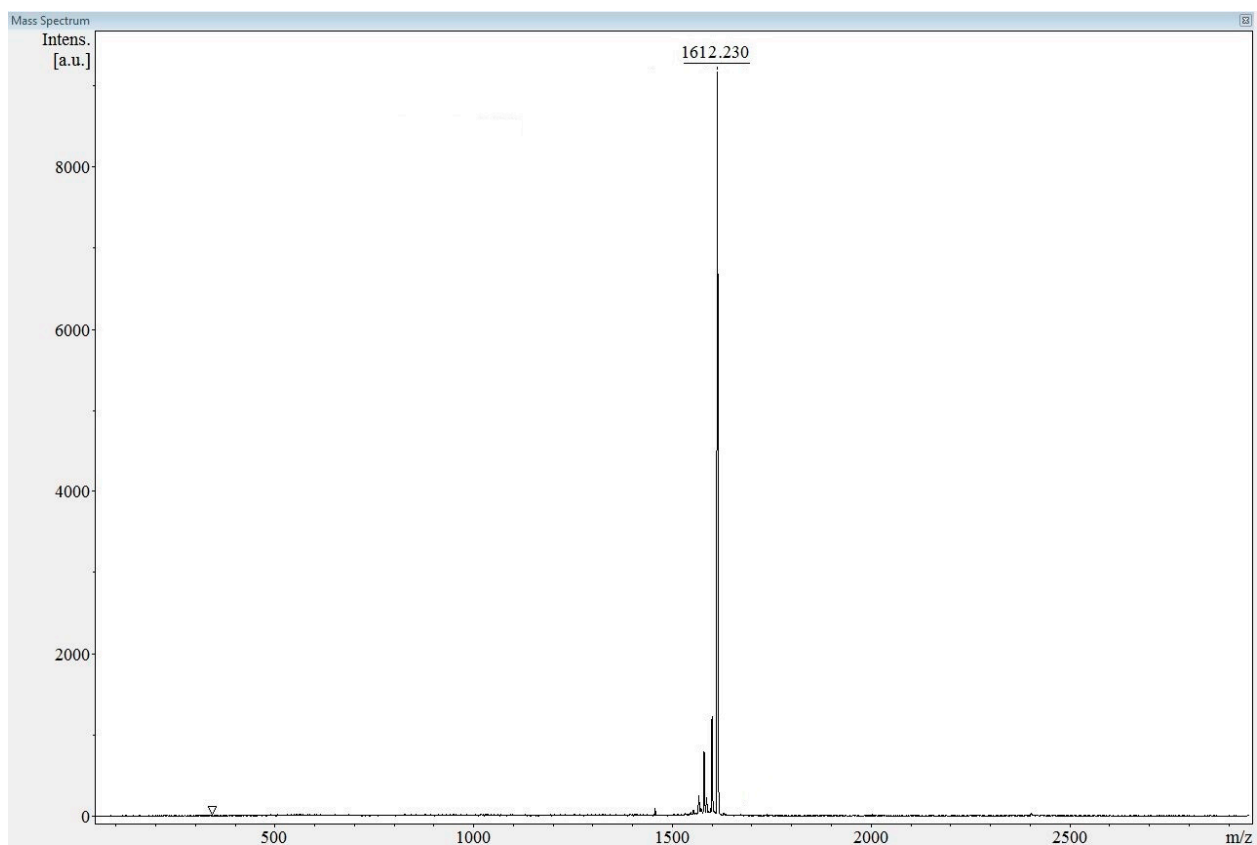
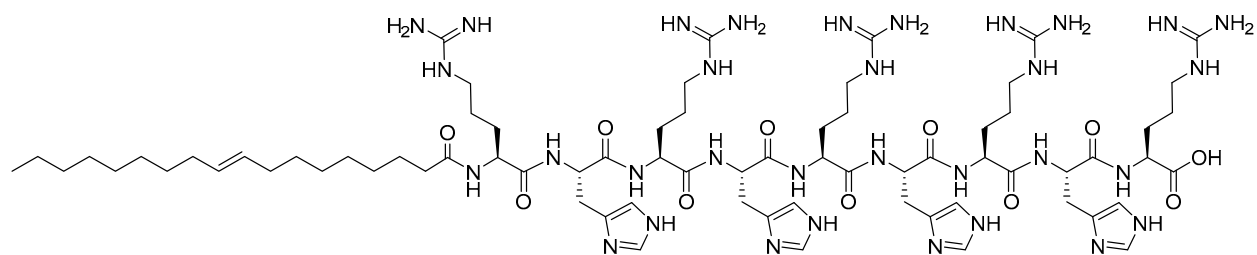


Figure S8. MALDI-TOF mass spectrum of Oleyl-R₁-(HR)₄.

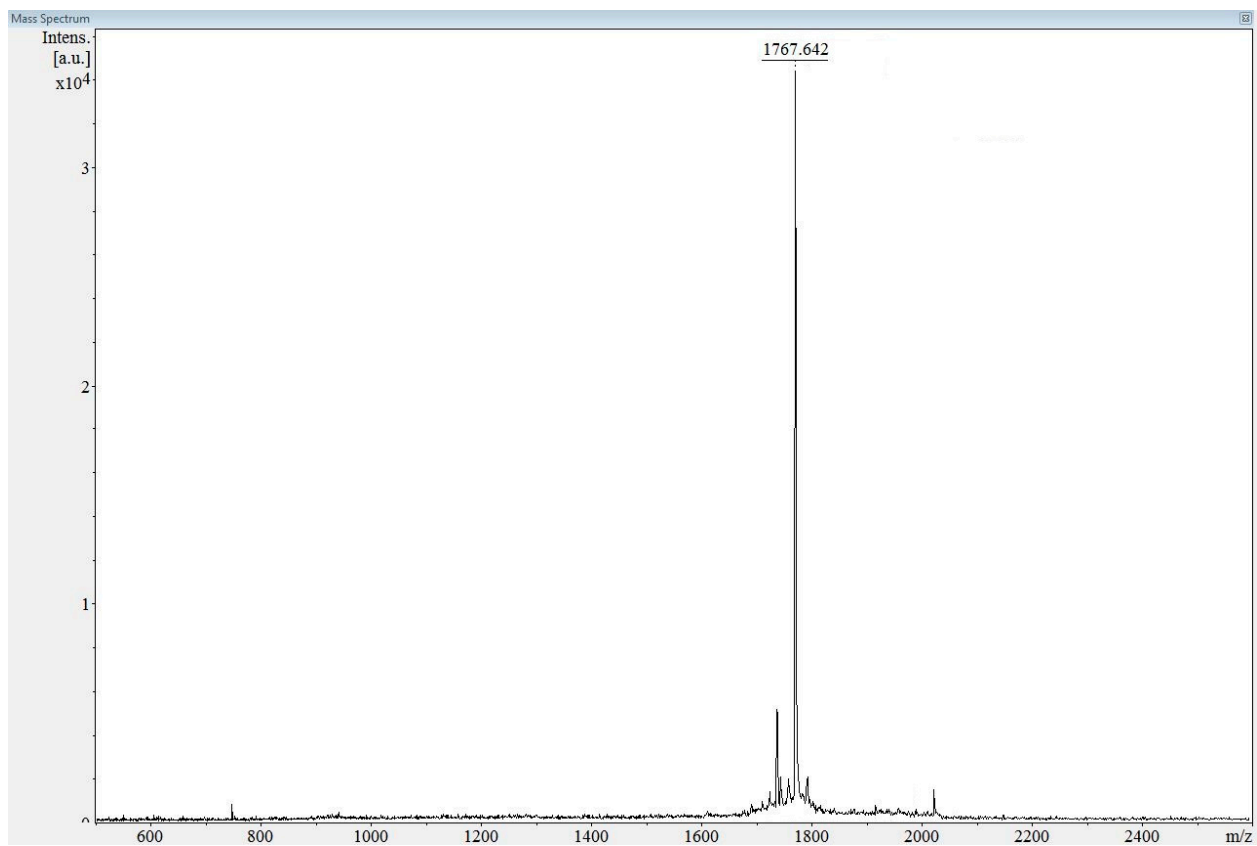
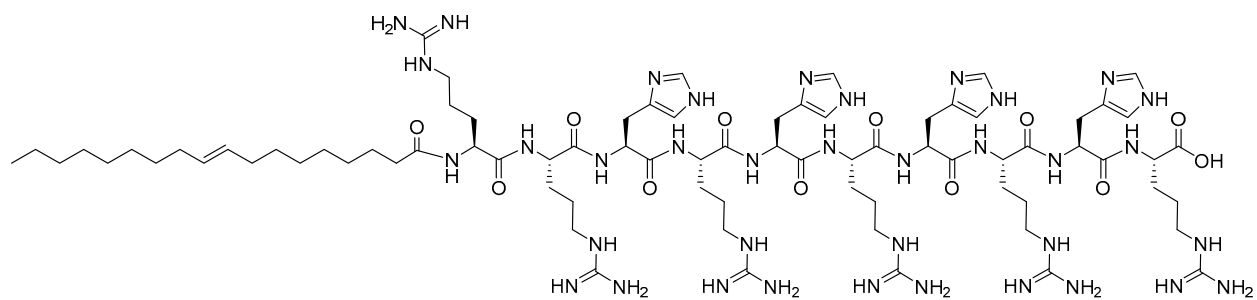


Figure S9. MALDI-TOF mass spectrum of Oleyl-R₂-(HR)₄.

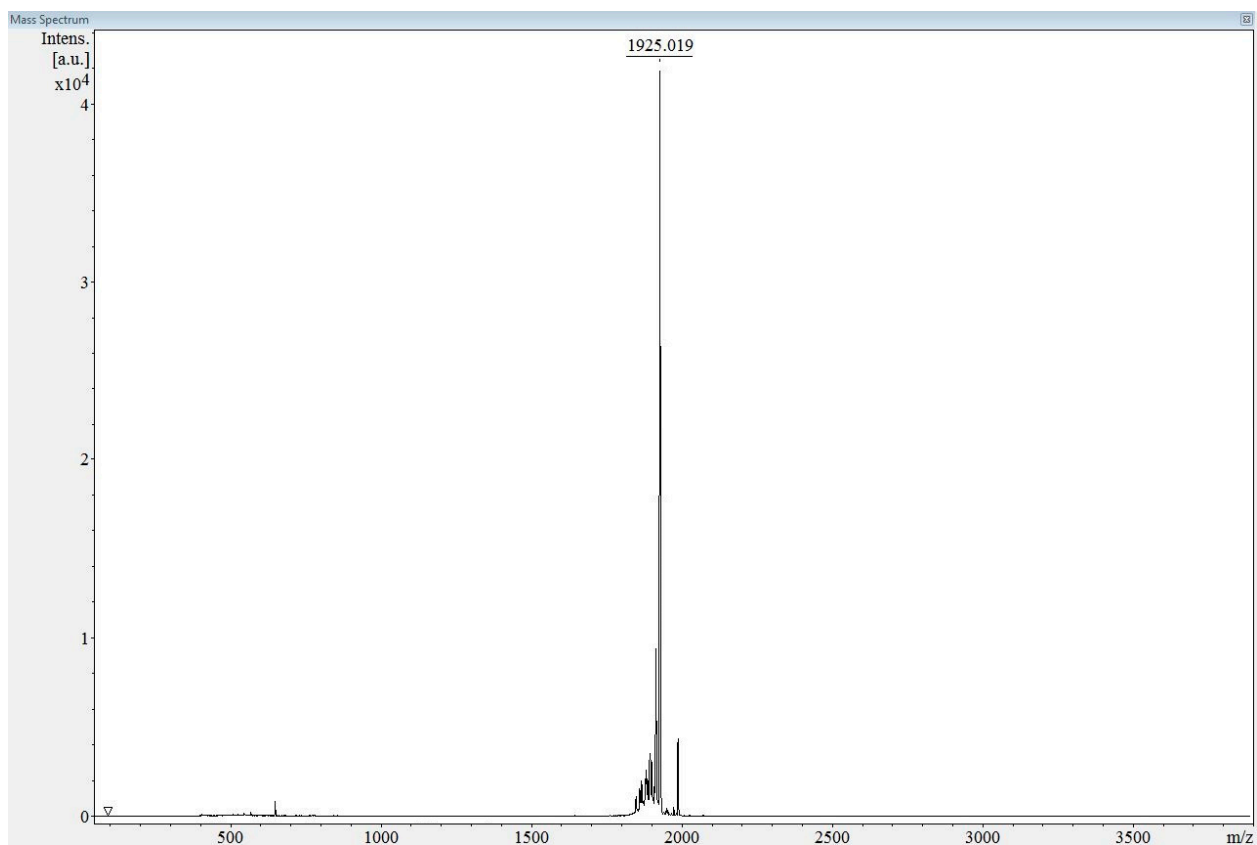
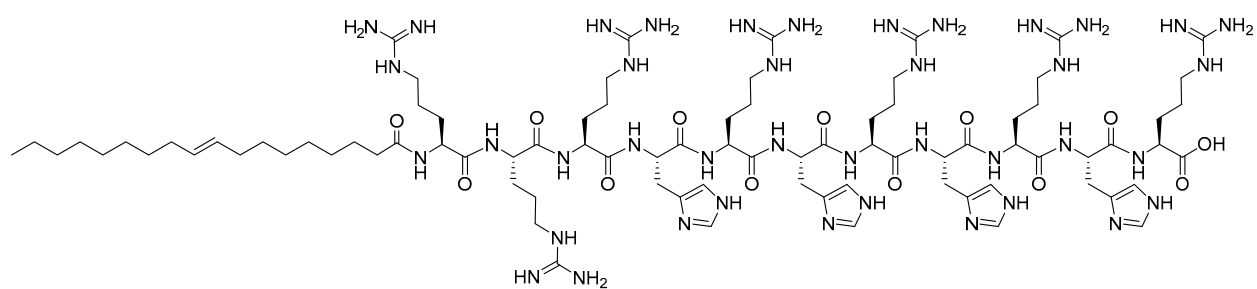


Figure S10. MALDI-TOF mass spectrum of Oleyl-R₃-(HR)₄.

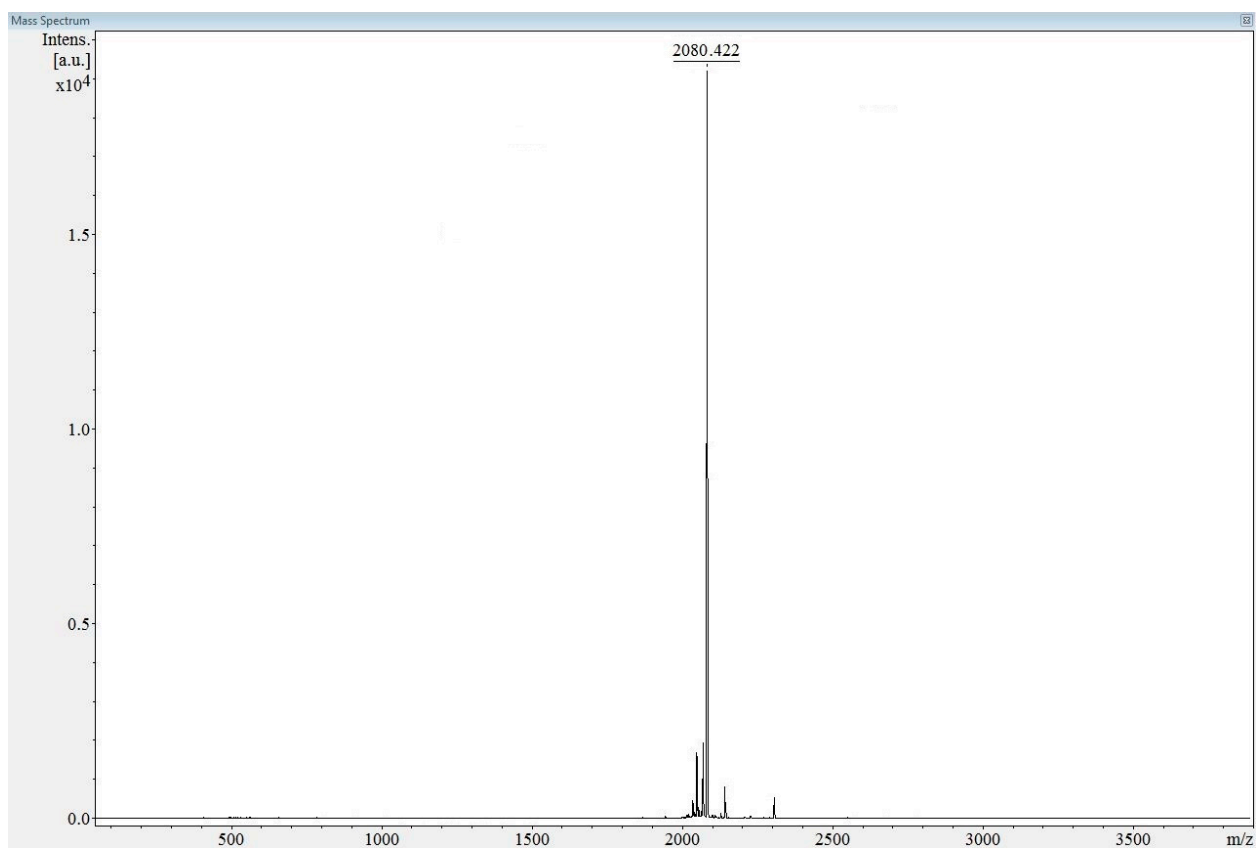
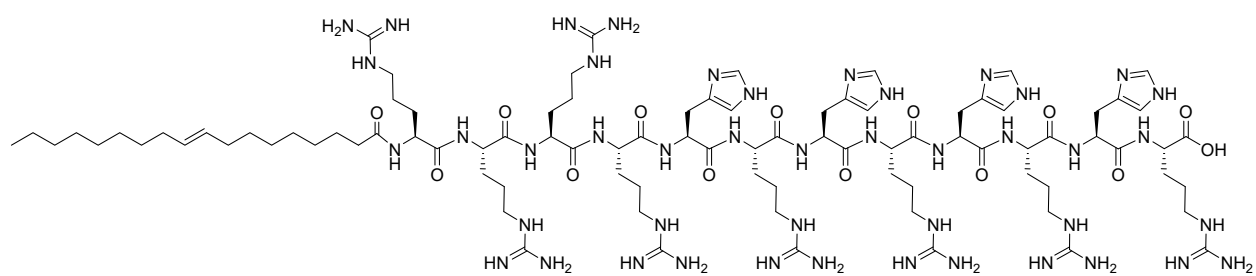


Figure S11. MALDI-TOF mass spectrum of Oleyl-R₄-(HR)₄.

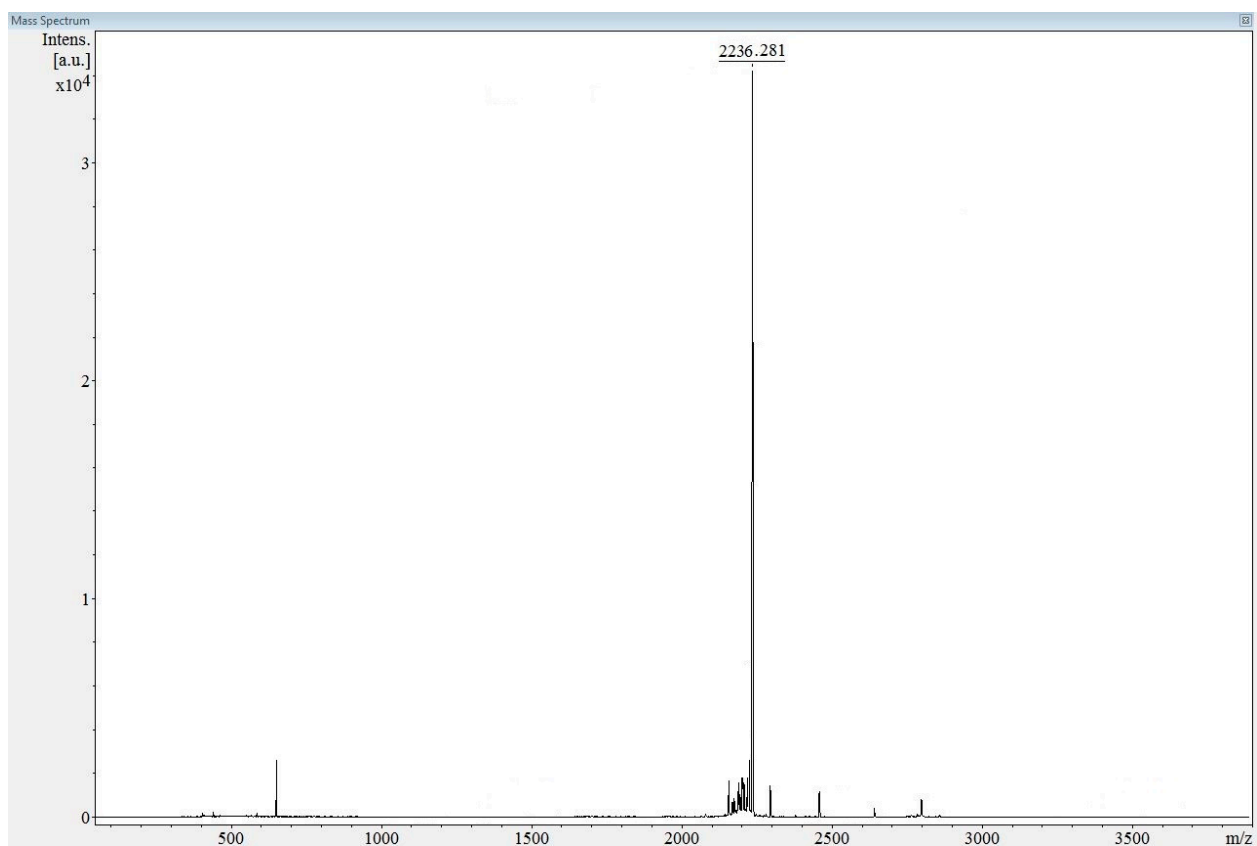
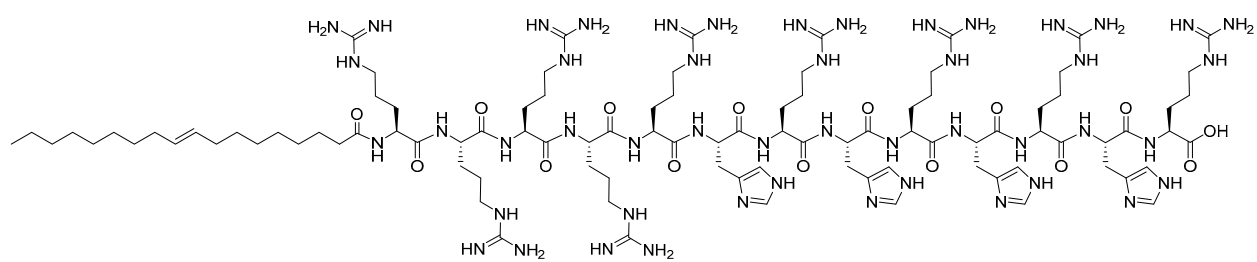


Figure S12. MALDI-TOF mass spectrum of Oleyl-R₅-(HR)₄.