

Supporting Information

for

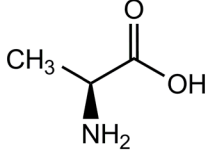
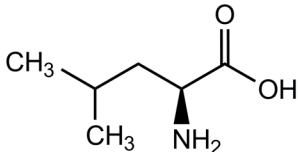
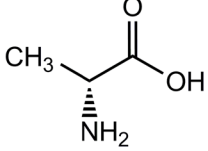
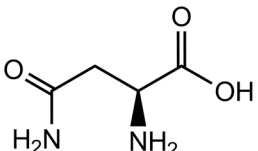
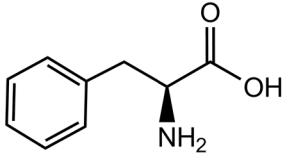
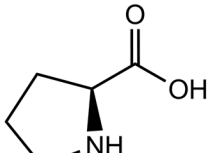
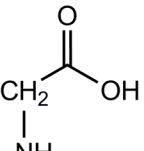
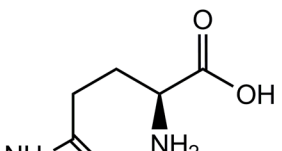
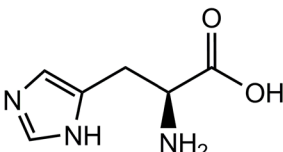
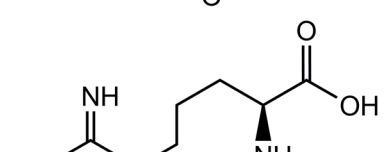
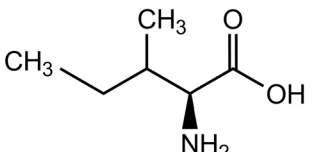
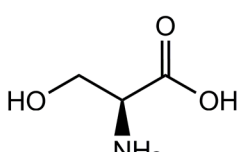
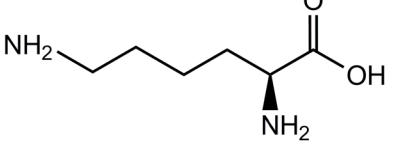
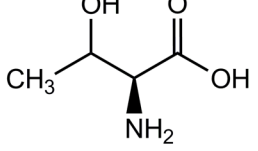
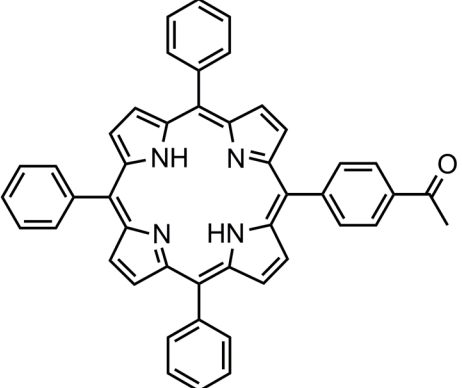
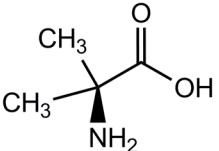
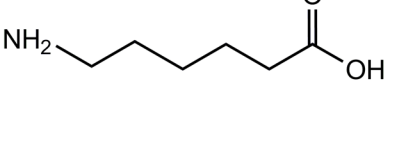
Linker dependent chirality of solvent induced self-assembled structures of porphyrin- α -helical peptide conjugates

F. Biscaglia, E. Frezza, E. Zurlo, and M. Gobbo

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Table S1 Structures of repeating units used to assemble conjugates **1-10**

Abbreviation	Formula	Abbreviation	Formula
A		L	
a		N	
F		P	
G		Q	
H		R	
I		S	
K		T	
TPP		U	
		Ahx	

UV-vis and CD spectra of the purified peptides and porphyrin-peptide conjugates

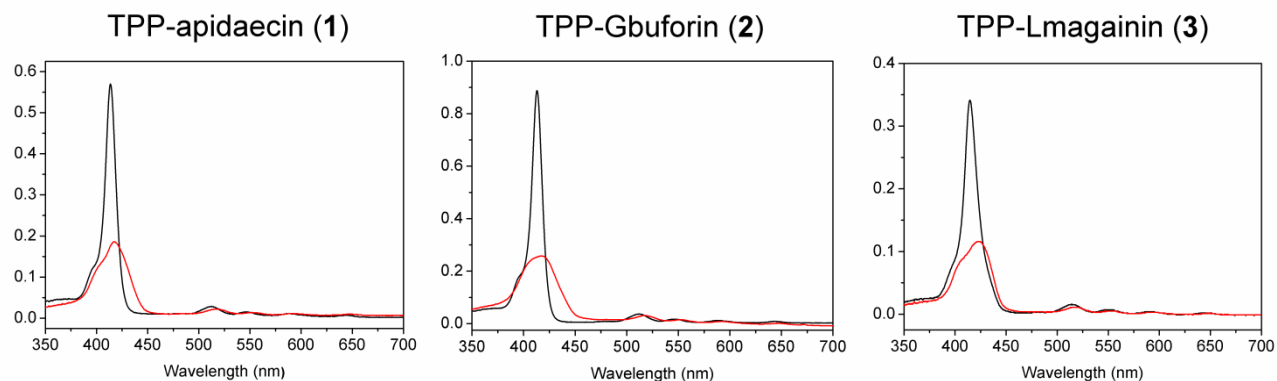


Fig. S1 – UV-vis spectra of conjugates **1-3** in methanol (—) and in water- methanol (90:10 v/v) (—).

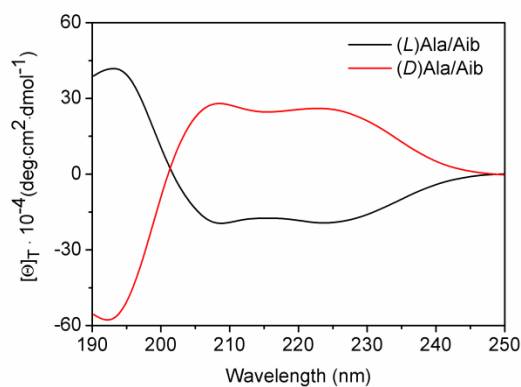


Fig. S2 – CD spectra in methanol of $\text{Ac-(LAla-Aib)}_7\text{-LAla-NH}_2$ (—) and $\text{Ac-(DAla-Aib)}_7\text{-DAla-NH}_2$ (—). Peptide concentration 100 μM .

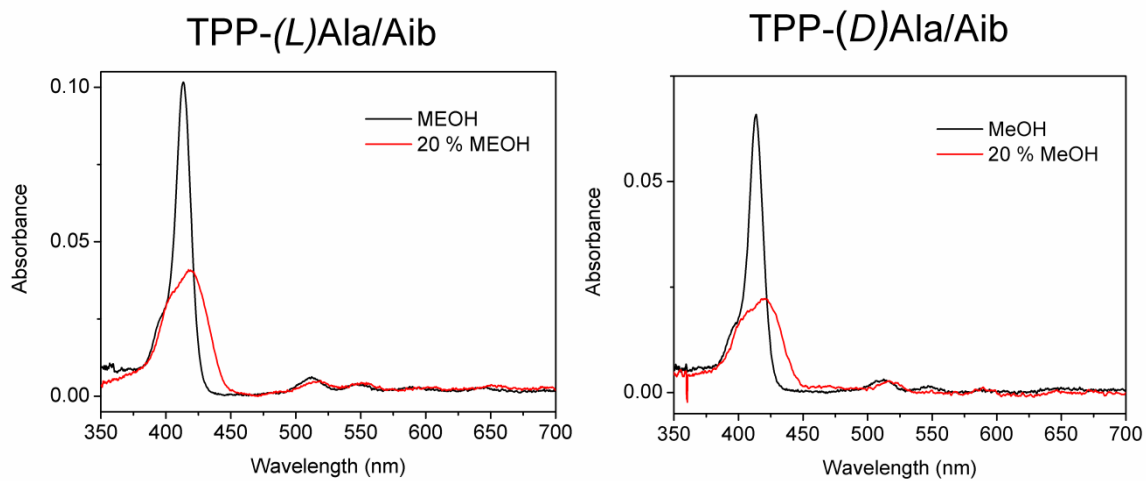


Fig. S3 – UV-vis spectra of conjugates **4** (left) and **5** (right) in methanol (—) and in water- methanol (80:20 v/v) (—).

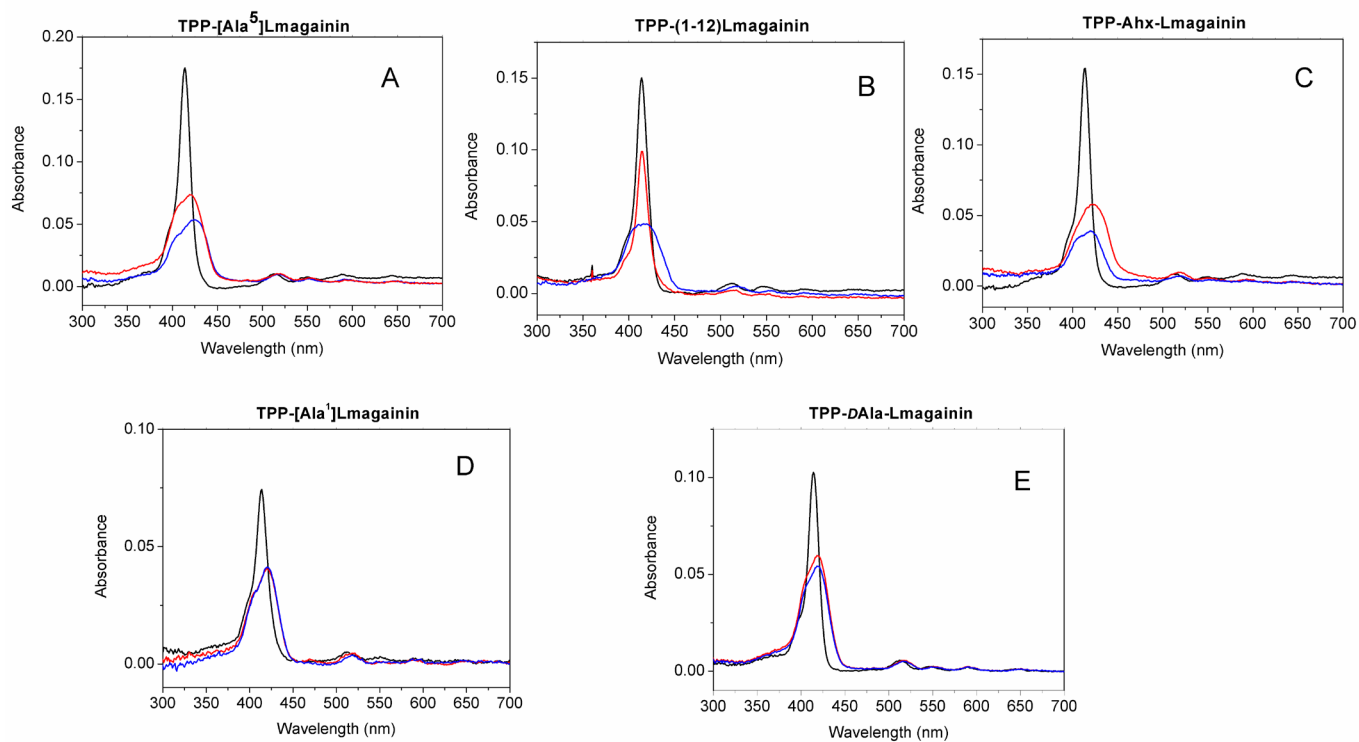
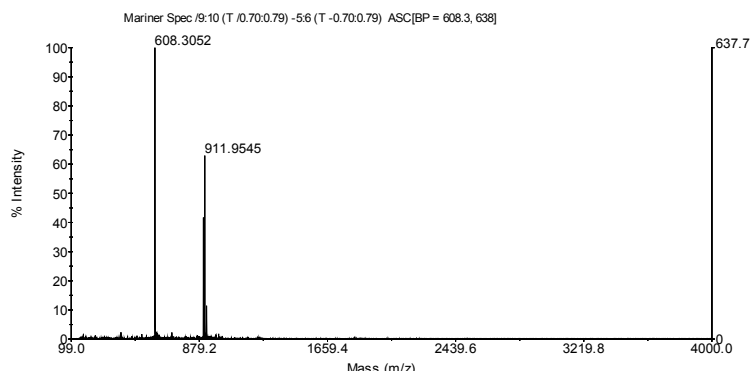
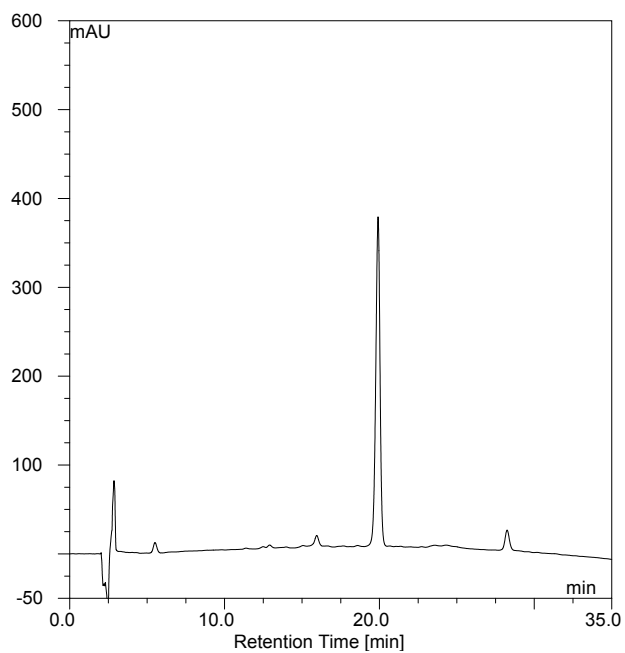


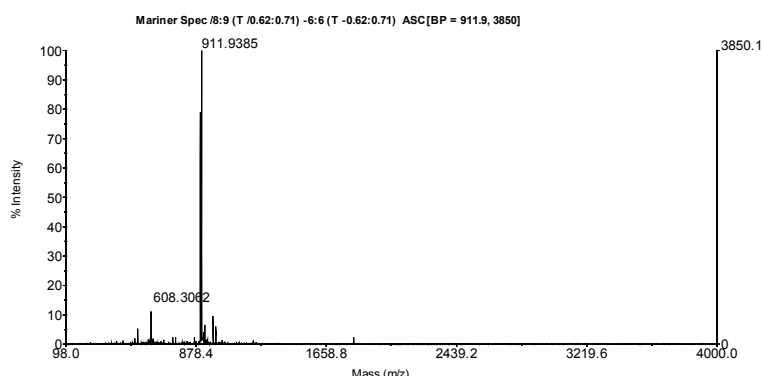
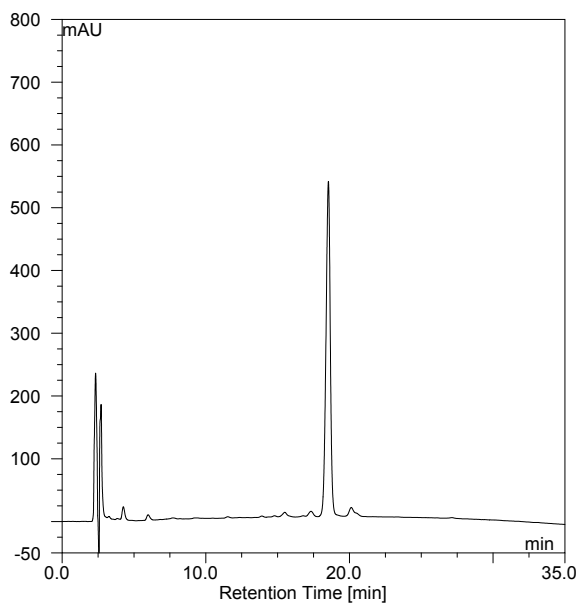
Fig. S4 - UV-vis spectra of the conjugates **6** (A), **7** (B), **8** (C), **9** (D), **10** (E) in methanol (—) and in water-methanol mixtures: 50:50 (v/v) (—), 80:20 (v/v) (—).

Analytical HPLC and ESI-MS spectra of the purified porphyrin-peptide conjugates

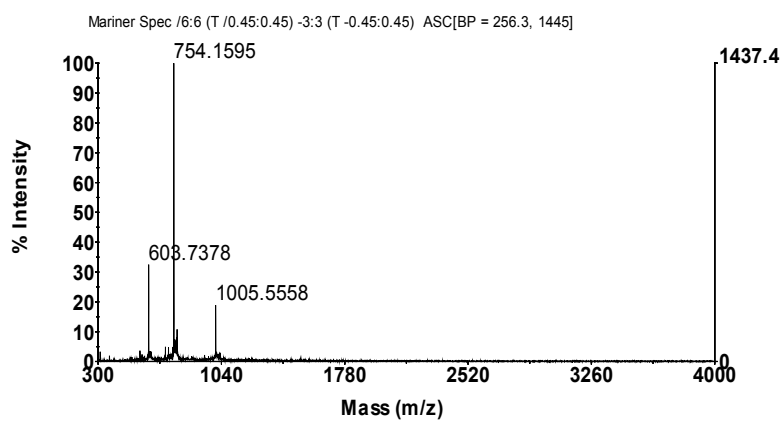
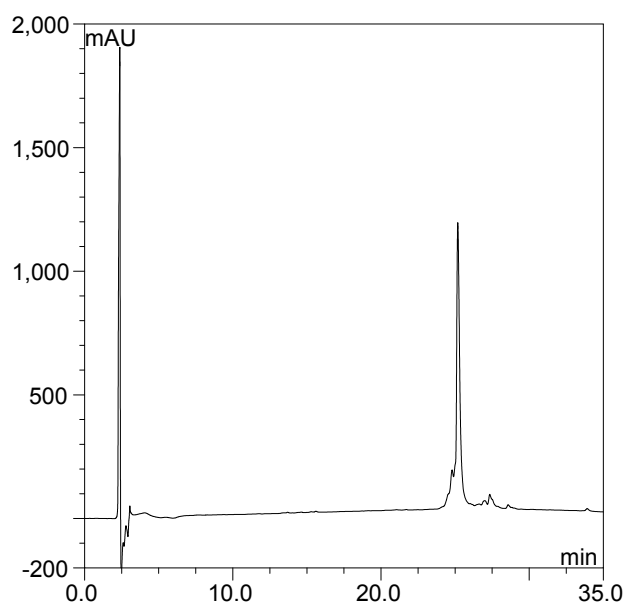
(4) TPP-(LAla-Aib)₇-LAla-NH₂



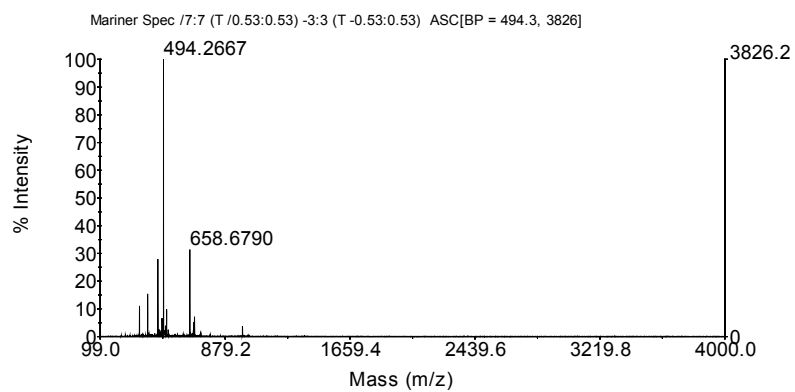
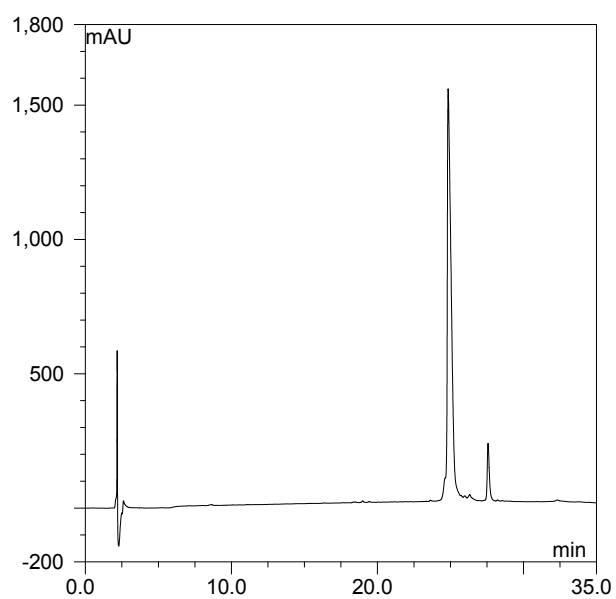
(5) TPP-(DAla-Aib)₇-DAla-NH₂



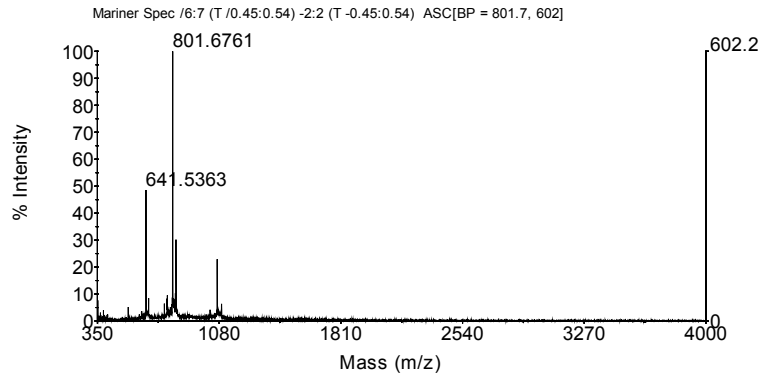
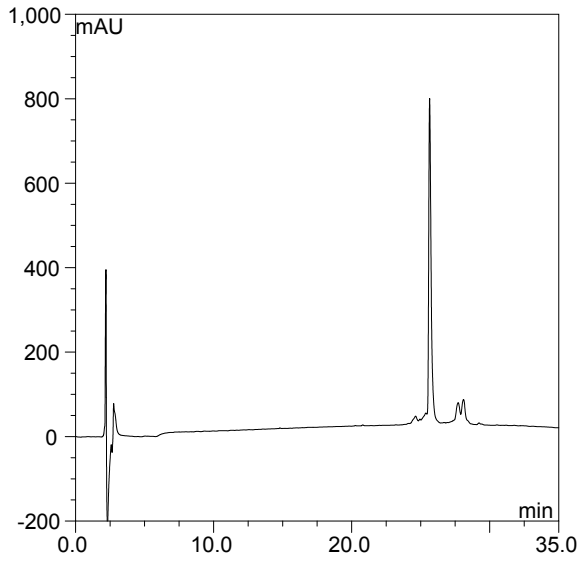
(6) TPP-[Ala⁵]Lmagainin



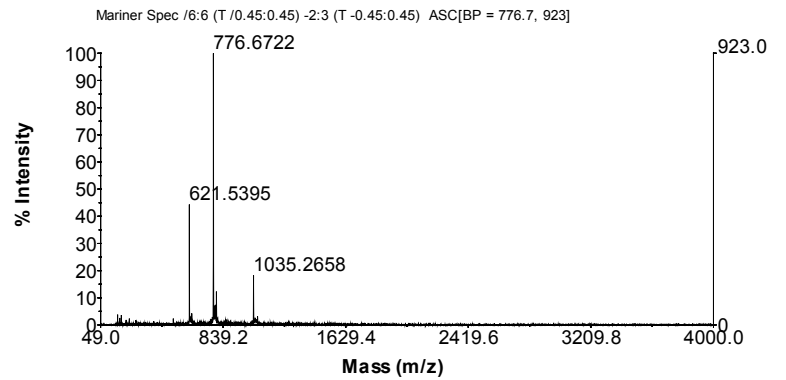
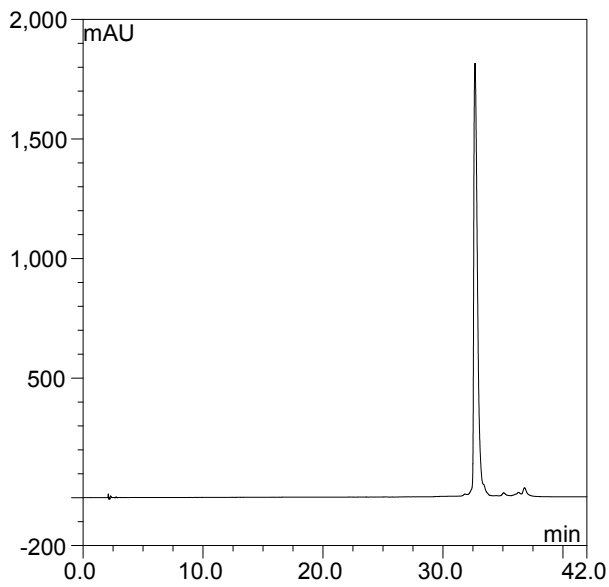
(7) TPP-[1-12]Lmagainin



(8) TPP-Ahx-Lmagainin



(9) TPP-[Ala¹]Lmagainin



(10) TPP-DAla-Lmagainin

