

Design and Validation of Nanofibers Made of Self-Assembled Peptides to Become Multifunctional Stimuli-Sensitive Nanovectors of Anticancer Drug Doxorubicin

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HPLC chromatograms and analytical data of peptides **P1, P2, P3**

S2-S3

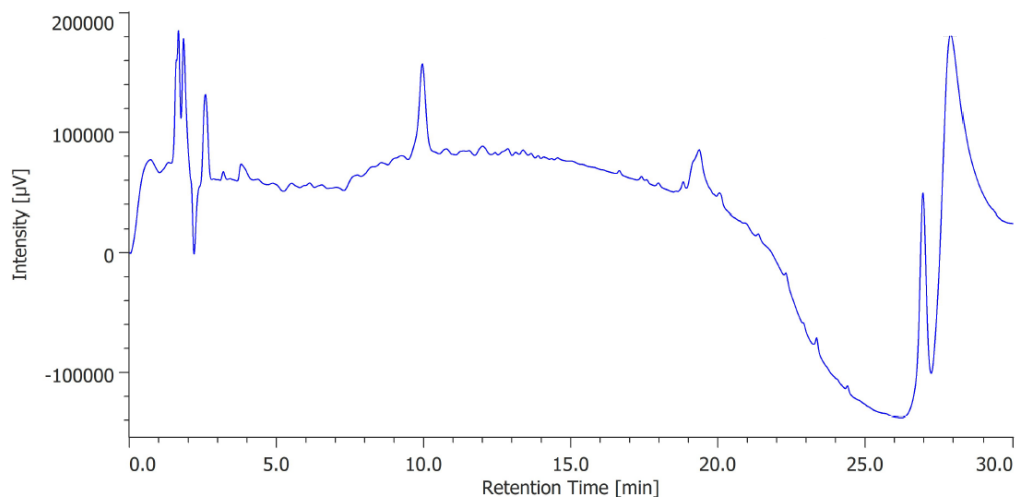


Figure S1. Chromatogram of peptide **P1** obtained by an analytical HPLC (Jasco LC-NetII/ADC) equipped with a Phenomenex Kinetex C18 column (150 mm × 4.6 mm, 5 μm, 100 Å), and monitored by UV detection at 220 nm. t_R : 9.955 min [linear gradient 20-80% MeCN (0.1% TFA) in H₂O (0.1% TFA) over 20 min, flow rate of 1 mL/min]. Calculated mass:1225.7, Found mass: $[M+H]^+=1226.8$

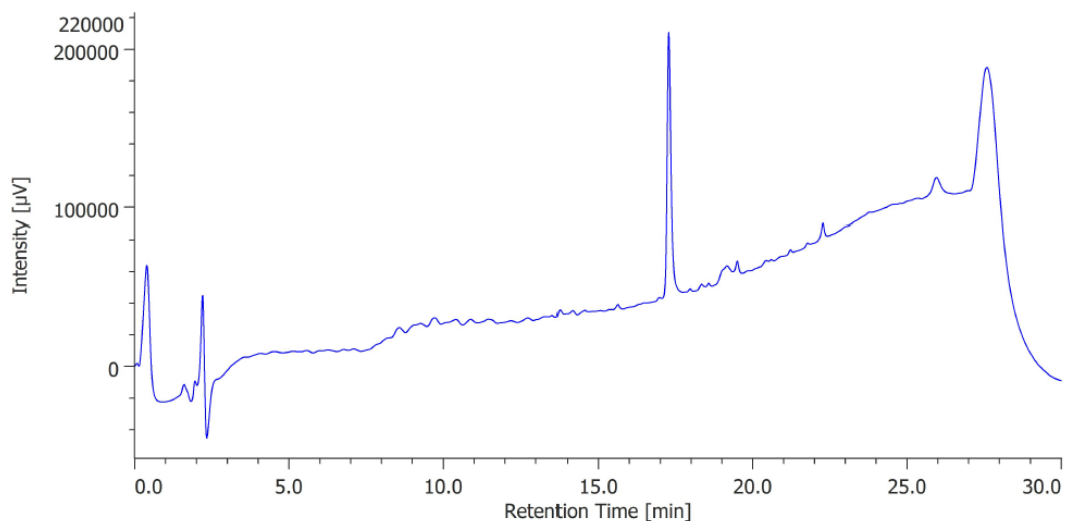


Figure S2. Chromatogram of peptide **P2** obtained by an analytical HPLC (Jasco LC-NetII/ADC) equipped with a Phenomenex Kinetex C18 column (150 mm × 4.6 mm, 5 μm, 100 Å), and monitored by UV detection at 220 nm. t_R : 17.272 min [linear gradient 10-90% MeCN (0.1% TFA) in H₂O (0.1% TFA) over 20 min, flow rate of 1 mL/min]. Calculated mass:1279.9, Found mass: $[M+2H]^+/2=640.9$.

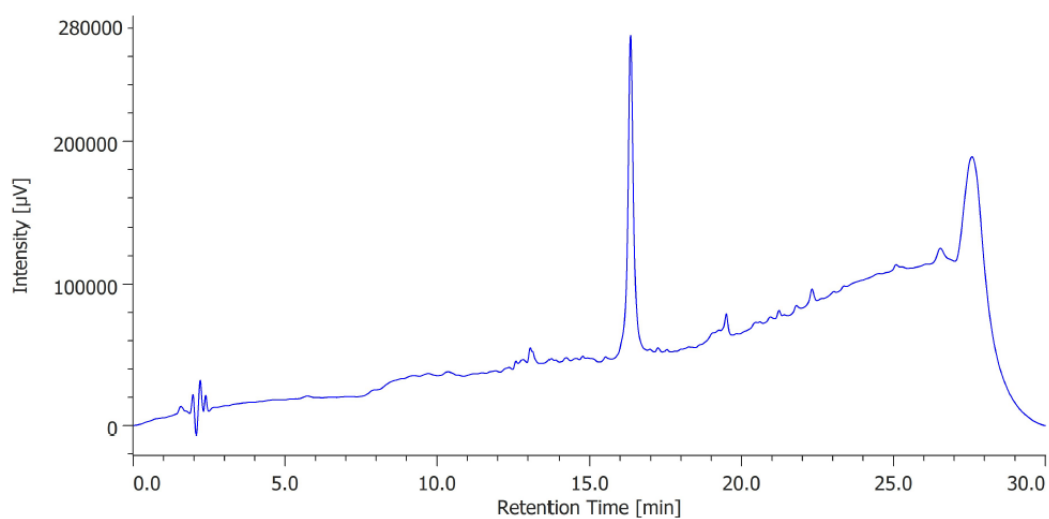


Figure S3. Chromatogram of peptide **P3** obtained by an analytical HPLC (Jasco LC-NetII/ADC) equipped with a Phenomenex Kinetex C18 column (150 mm \times 4.6 mm, 5 μm , 100 \AA), and monitored by UV detection at 220 nm. t_{R} : 16.338 min [linear gradient 10-90% MeCN (0.1% TFA) in H₂O (0.1% TFA) over 20 min, flow rate of 1 mL/min]. Calculated mass: 3559.1, Found mass: [M+3H]³⁺ 1188.2, [M+4H]⁴⁺ 891.5, [M+5H]⁵⁺ 713.4.