

SUPPLEMENTARY MATERIAL

Solid phase synthesis and RNA-binding activity of an arginine-containing nucleopeptide

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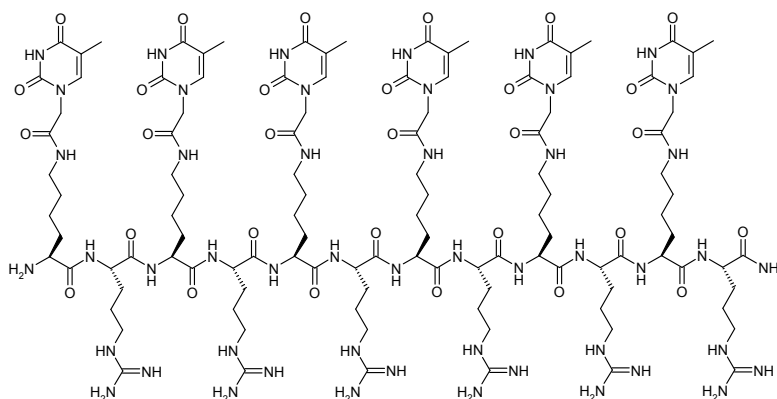
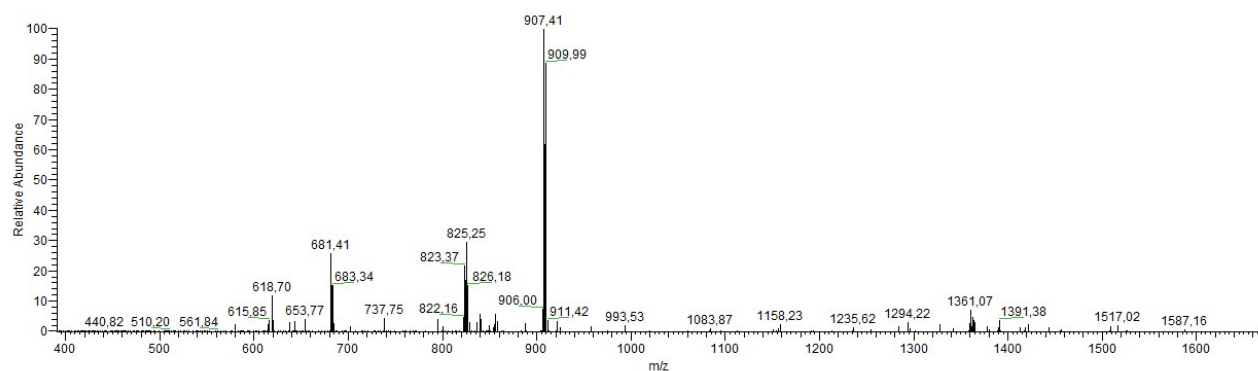
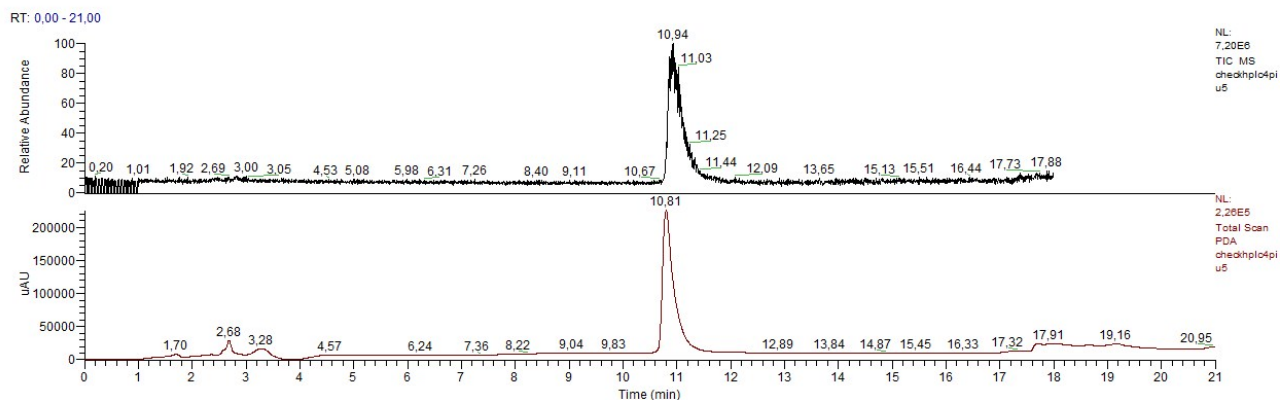
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Molecular Weight = 2720.04
 Exact Mass = 2717
 Molecular Formula = C₁₁₄H₁₈₃N₄₉O₃₀
 Molecular Composition = C 50.34% H 6.78% N 25.23% O 17.65%

(M+2H)⁺⁺ 1361.03
 (M+3H)⁺⁺⁺ 907.69
 (M+4H)⁺⁺⁺⁺ 681.02

Figure S1: LC-ESIMS (positive ions) analysis of nucleopeptide **1**; Method: 5% (5min) to 40% B in A over 10 min. A = H₂O (0.05% TFA); B = CH₃CN (0.05% TFA).

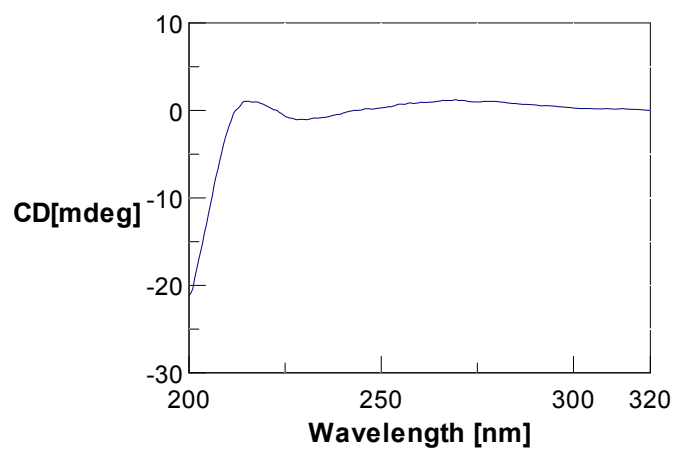


Figure S2: CD profile relative to a 2 μM solution of nucleopeptide **1** in 5 mM phosphate buffer, pH 7.5, at 15 $^{\circ}\text{C}$.

CD-titration of dA₁₂ with nucleopeptide 1

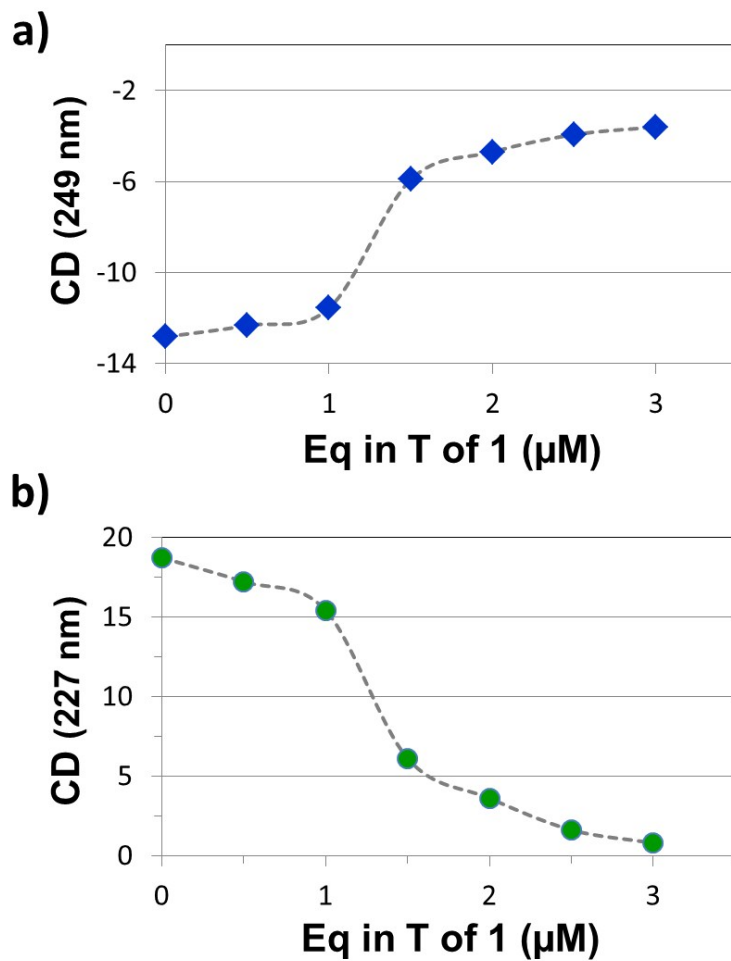


Figure S3: CD titration of dA₁₂ (4 μM in A) with oligomer 1 at different equivalents of T nucleobase: the CD values of the negative and positive bands at, respectively, 249 (a) and 227 nm (b) as a function of the amount of nucleopeptide added were reported.