Electronic Supplementary Material (ESI) for Soft Matter.

Bi-functional Peptide-based 3D hydrogel-scaffolds

Carlo Diaferia,[1,‡] Francesca Netti[2,‡], Moumita Ghosh[2], Teresa Sibillano,[3] Cinzia Giannini,[3] Giancarlo Morelli,[1] Lihi Adler-Abramovich,[2,*] Antonella Accardo[1,*]

[1]Department of Pharmacy, Research Centre on Bioactive Peptides (CIRPeB), University of Naples "Federico II", Via Mezzocannone 16, 80134-Naples, Italy
[2]Department of Oral Biology, The Goldschleger School of Dental Medicine, Sackler Faculty of Medicine, and the Center for Nanoscience and Nanotechnology Tel-Aviv University 69978, Israel.
[3]Institute of Crystallography (IC), CNR, Via Amendola 122, 70126 Bari, Italy.

*Correspondence to: antonella.accardo@unina.it; LihiA@tauex.tau.ac.il

‡ These author contributed equaly to this work

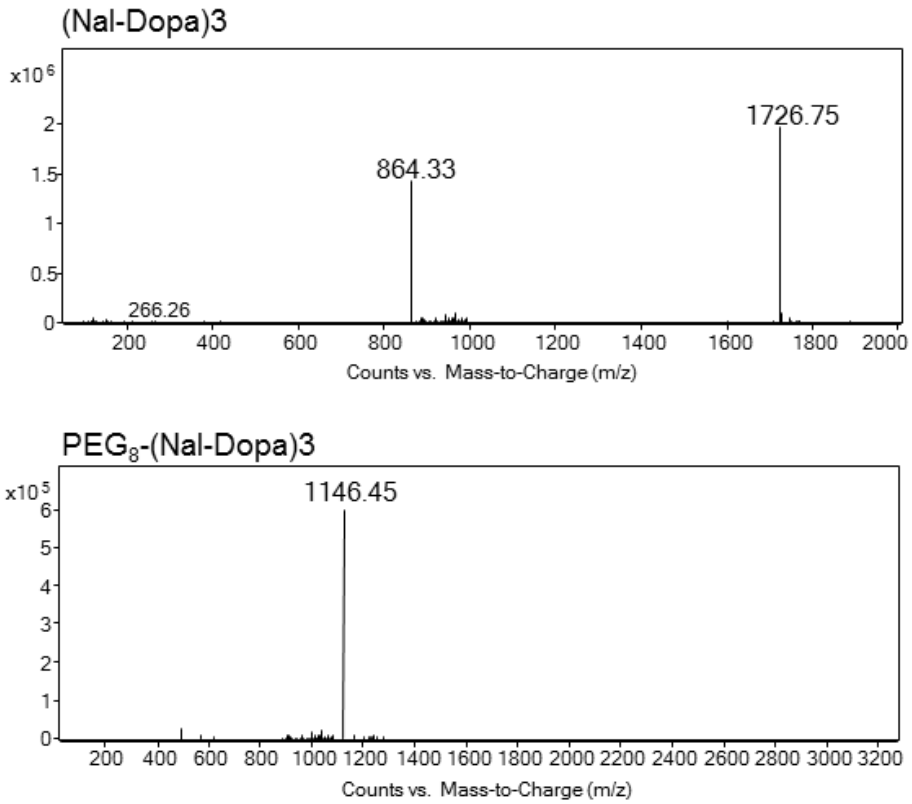

Figure S1:RP-HPLC chromatograms and ESI mass spectra for (Nal-Dopa)3 and Peg_8-(Nal-Dopa)3.

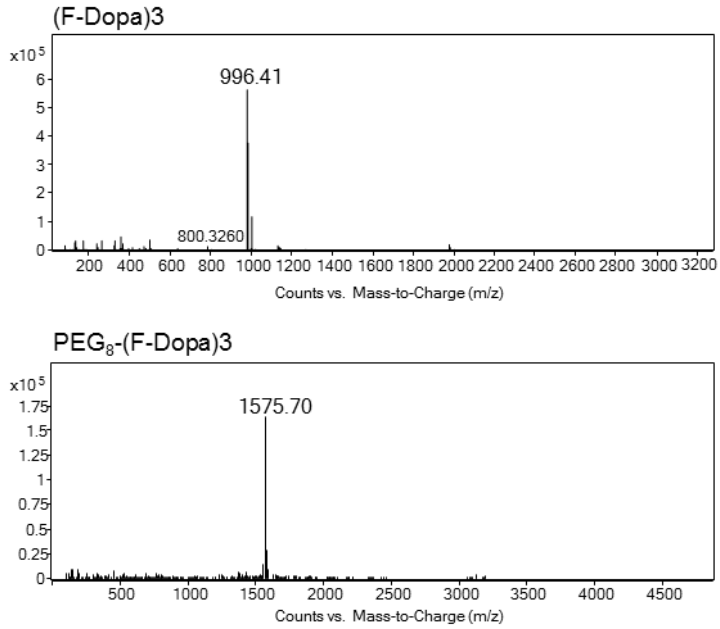

Figure S2: RP-HPLC chromatograms and ESI mass spectra for (F-Dopa)3 and Peg_8-(F-Dopa)3.

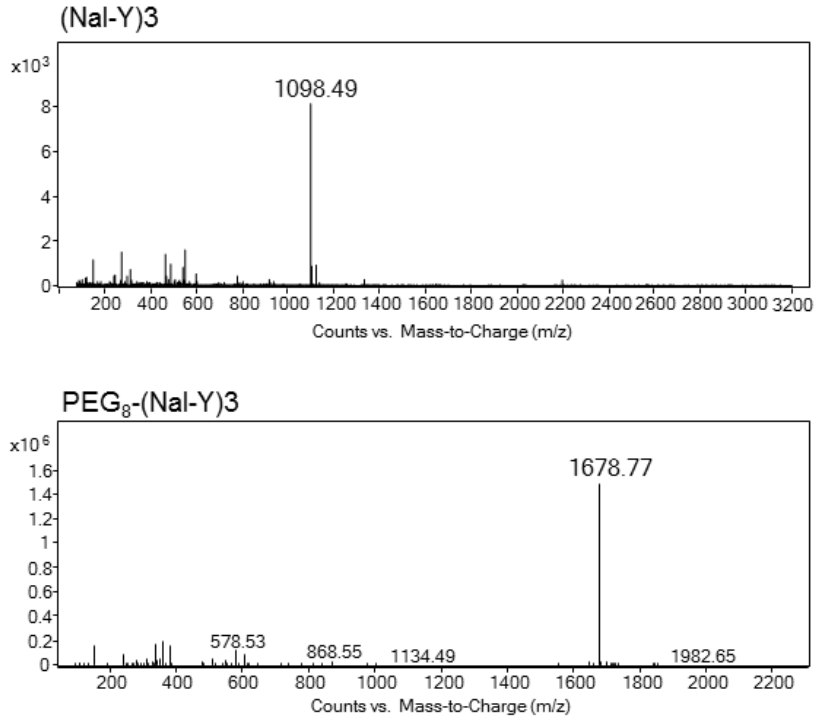

Figure S3: RP-HPLC chromatograms and ESI mass spectra for (Nal-Y)3 and Peg_8-(Nal-Y)3.

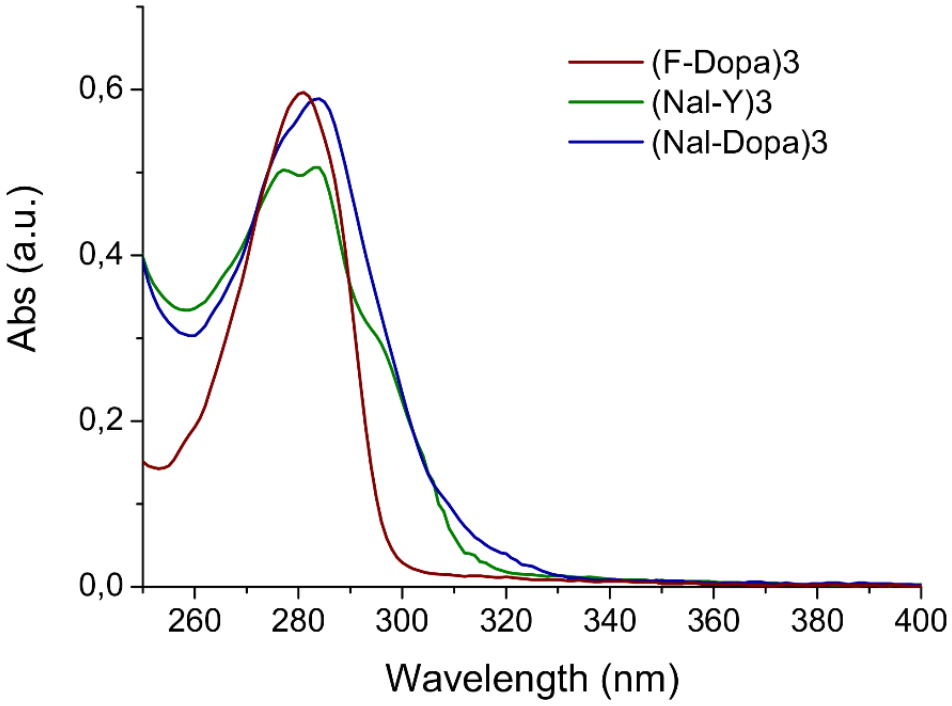

Figure S4: UV-Vis spectra of (F-Dopa)3, (Nal-Y)3 and (Nal-Dopa)3 peptides recorded between 250 and 400 nm.

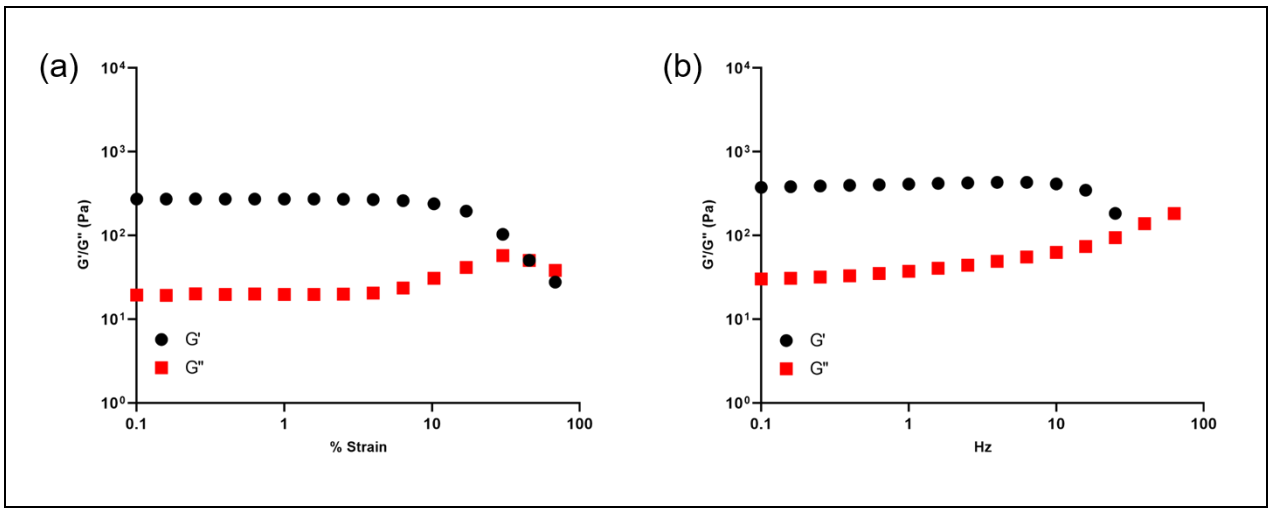

Figure S5: Rheological anlysis of (Nal-Dopa)3 hydrogel (a) Dynamic strain sweep oscillatory test performed at 1 Hz frequency. (b) Dynamic frequency sweep oscillatory test performed at 0.1 % strain of (Nal-Dopa)3 hydrogel.