Modification of hydrophobic face of β-sheet forming peptide: effect on self-assembly and gelation

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Electronic Supplementary Information

ESI-MS: The product identity was confirmed using a Waters LC-TOF mass spectrometer (+ve mode) coupled to an Alliance LC system using an injection flow of 100 µl min^{-1} and a mobile phase of 50 % H_2O / 50 % CH_3CN (0.1 % formic acid).

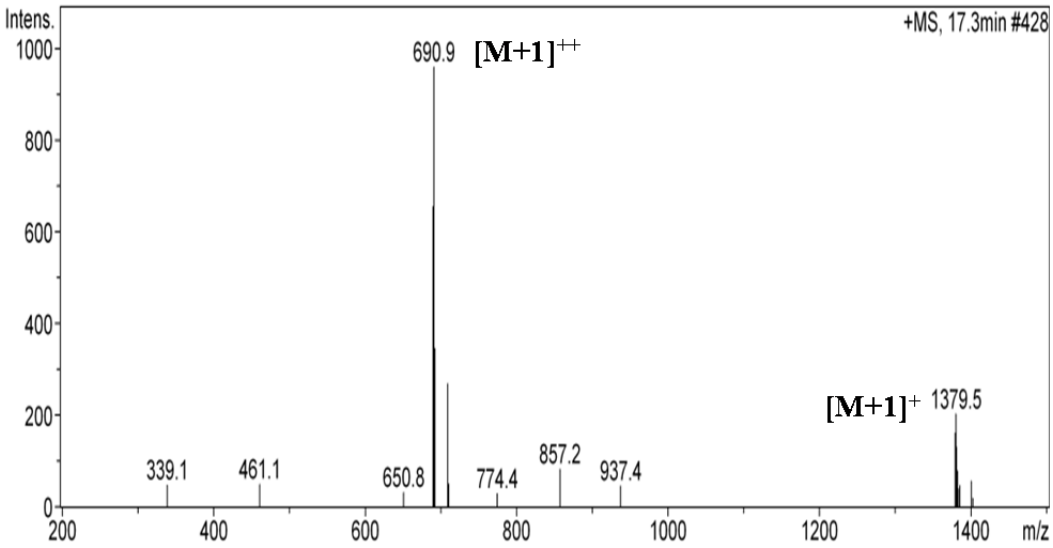

Figure ESI 1: ESI-MS trace for FC9-BM peptide (molar mass expected: 1379.4 g mol^{-1})

RP-HPLC: The FC9-BM reaction mixture was freeze dried (79 mg; 94 % yield) and then dissolved in H_2O (with 0.05 % TFA). An analytical scale Phenomenex Jupiter 4µ Proteo column 90A° (250 × 4.66 mm) was used with a flow rate of 1 ml min^{-1}. An elution gradient of 90% H_2O / 10% CH_3CN to 30 % H_2O / 70 % CH_3CN (all solvents contained 0.05 % of TFA) over 45 min was used.

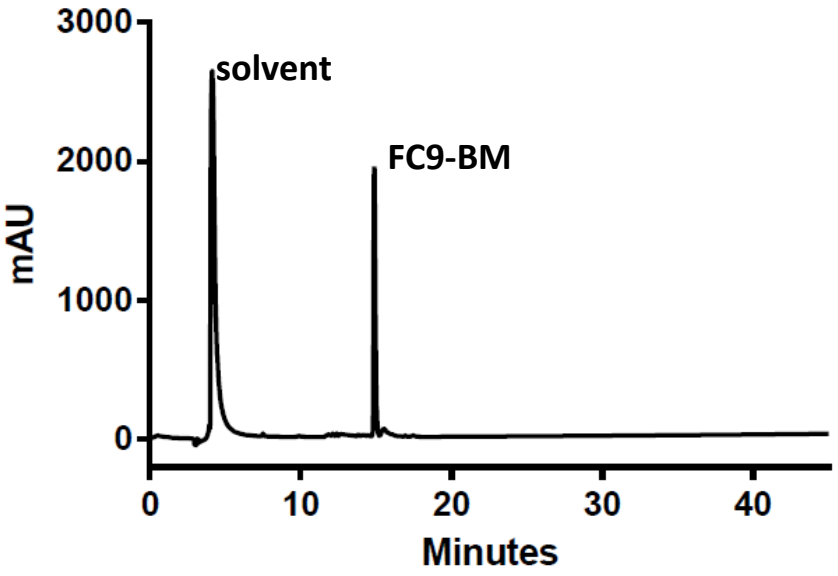

Figure ESI 2: RP-HPLC trace for FC9-BM peptide (The retention time: 15.8 min.; Purity: 95 %).