

Electronic Supplementary Information

**Synthesis of Cyclic Peptide Disulfide-PHPMA
Conjugates via Sequential Active Ester Aminolysis
and CuAAC Coupling**

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5650; Tel: + 41 21 693 4866.

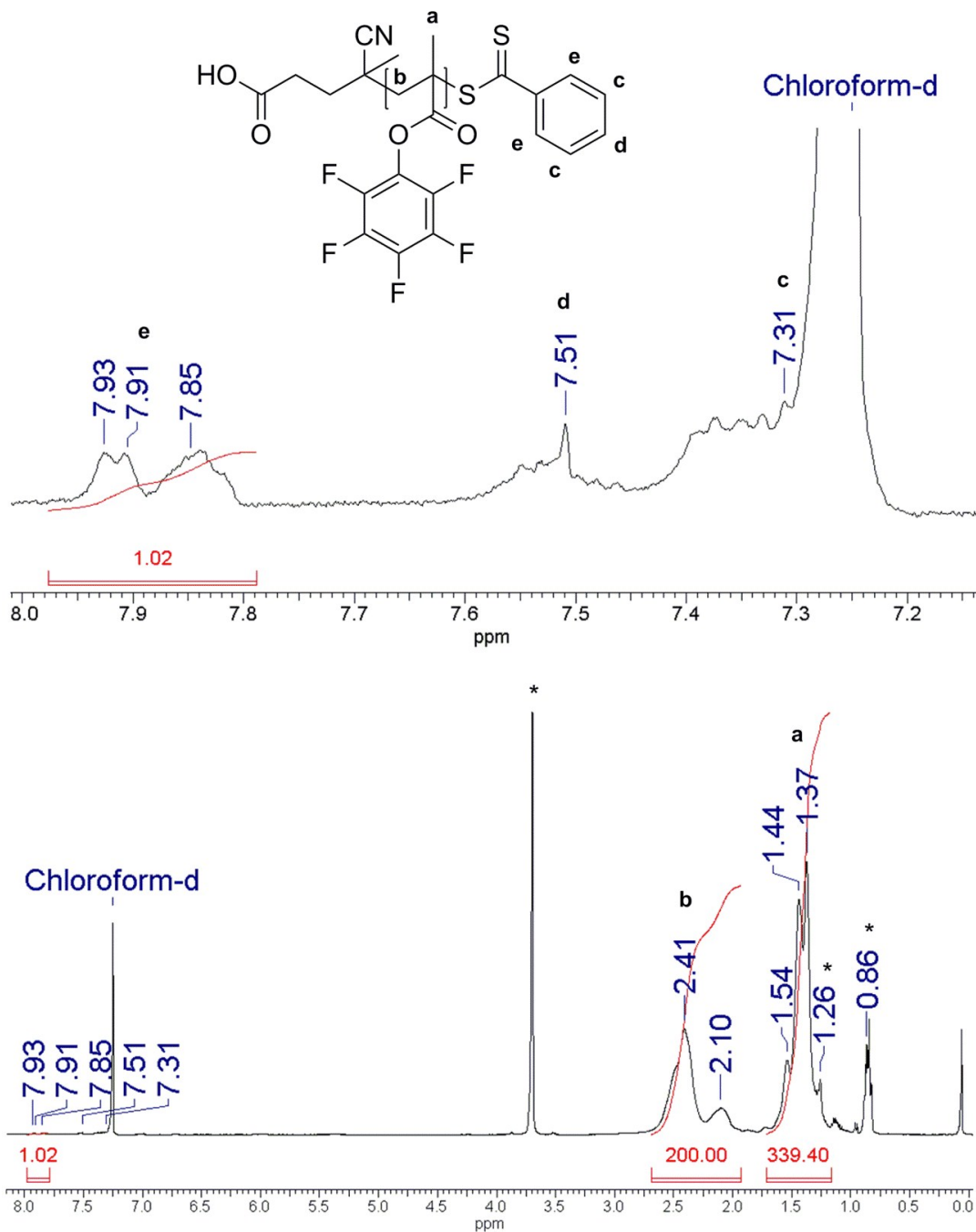


Figure S1: ¹H-NMR spectrum of the PPFMA polymer used in this study prior to removal of dithiobenzoate end-groups. **Top:** Enlarged region between 7.15–8.00 ppm highlighting the signals associated to the dithiobenzoate end-groups; **Bottom:** Complete ¹H-NMR spectrum of the PPFMA polymer in CDCl₃. * = Residual solvent peaks.

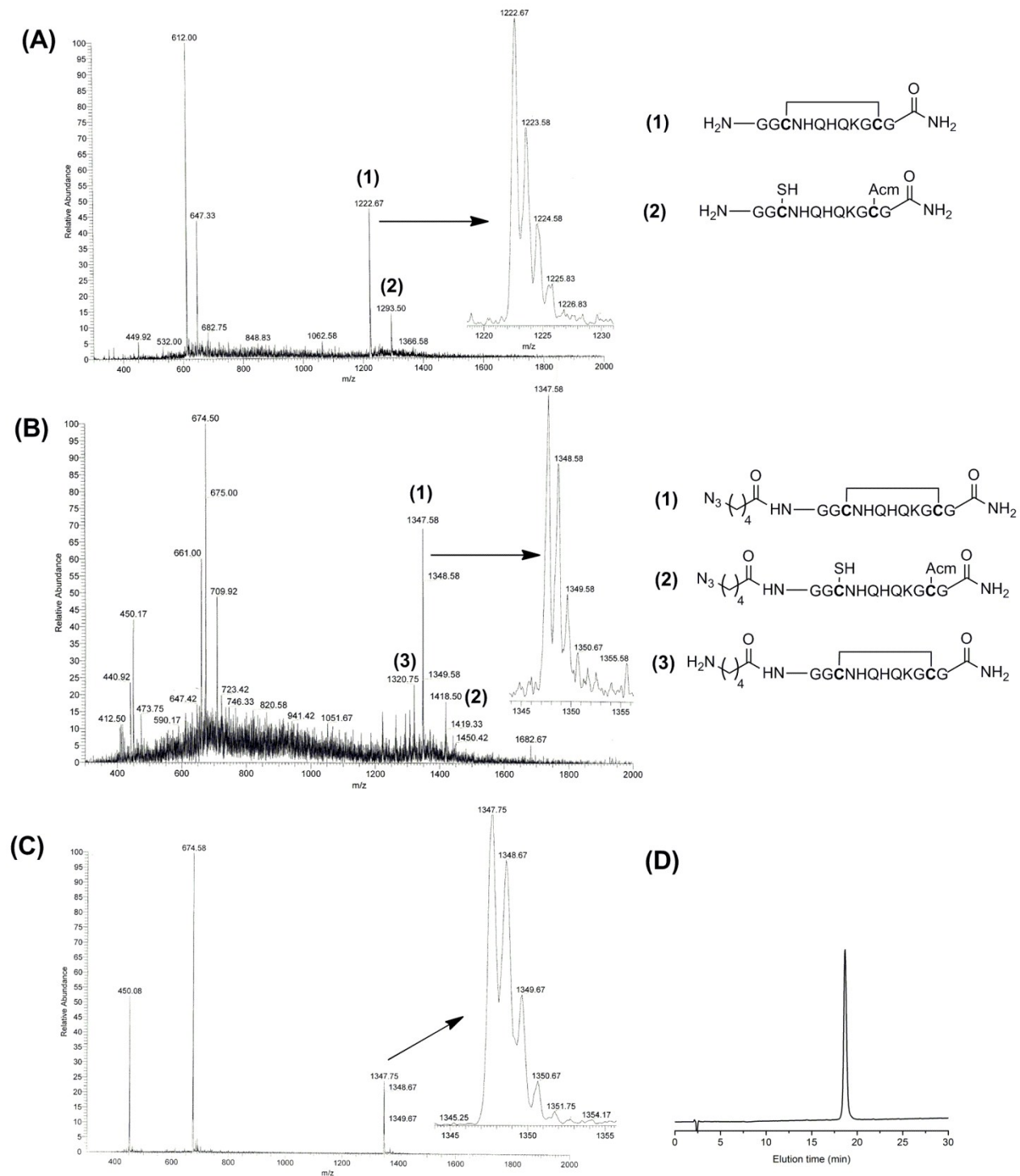


Figure S2: (A) ESI-MS spectrum of crude **Pep1** after $\text{Ti}(\text{CF}_3\text{COO})_3$ mediated oxidation. (B) ESI-MS spectrum of crude **Pep1** after N-terminal azide functionalization. (C) ESI-MS spectrum and (D) HPLC elution chromatogram of pure **Pep1**.

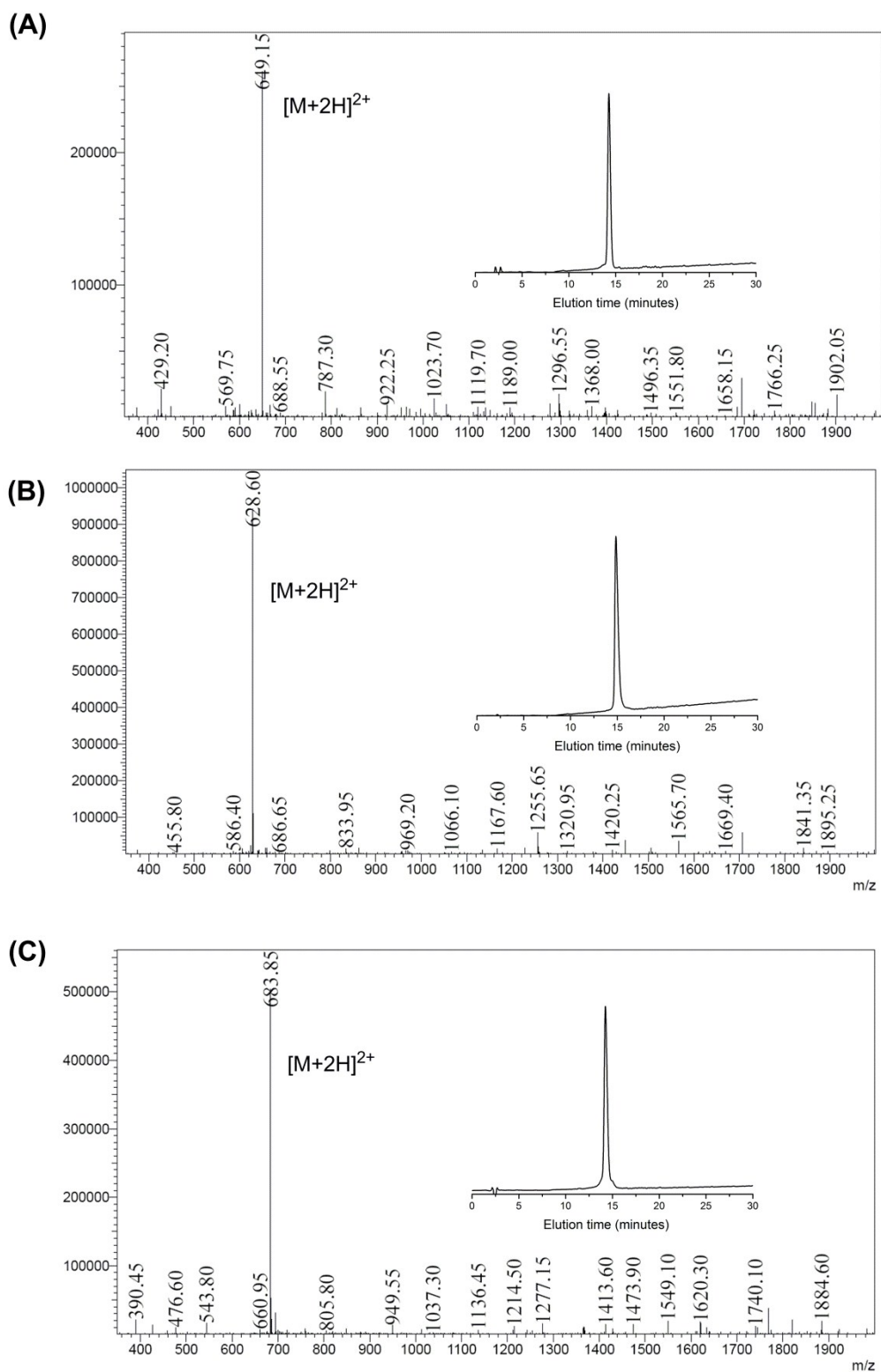


Figure S3: HPLC elution profiles and corresponding ESI-MS spectra of purified cyclic peptide disulfides (A) **Pep2**, (B) **Pep3** and (C) **Pep4**.

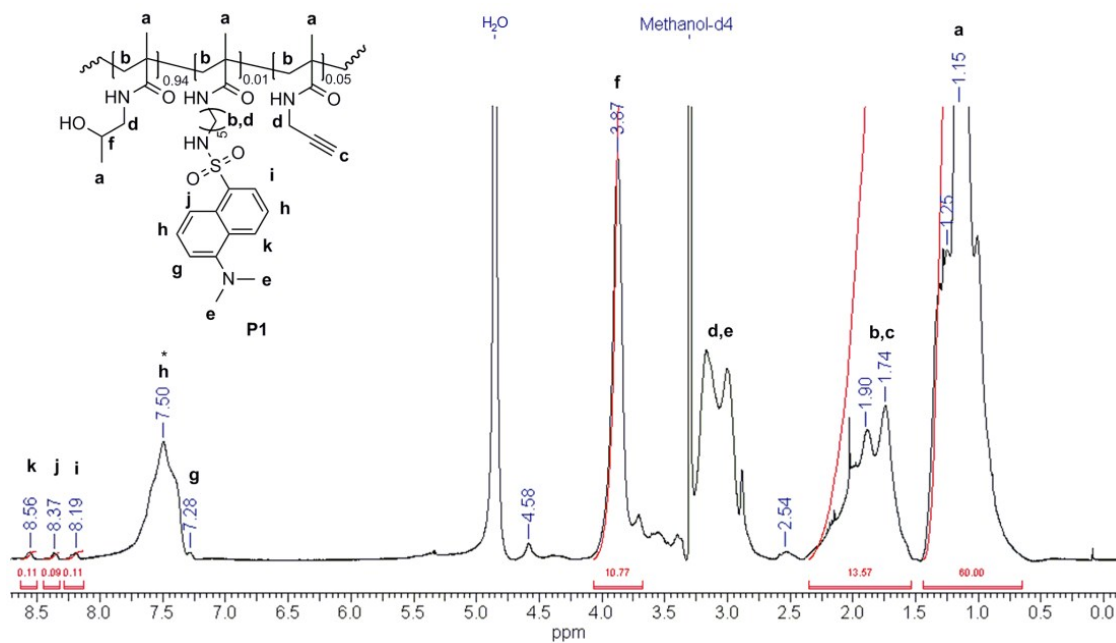


Figure S4: $^1\text{H-NMR}$ spectrum of **P1** in methanol- d_4 . * = 1 H peaks associated with the hydrogen of the amide groups.

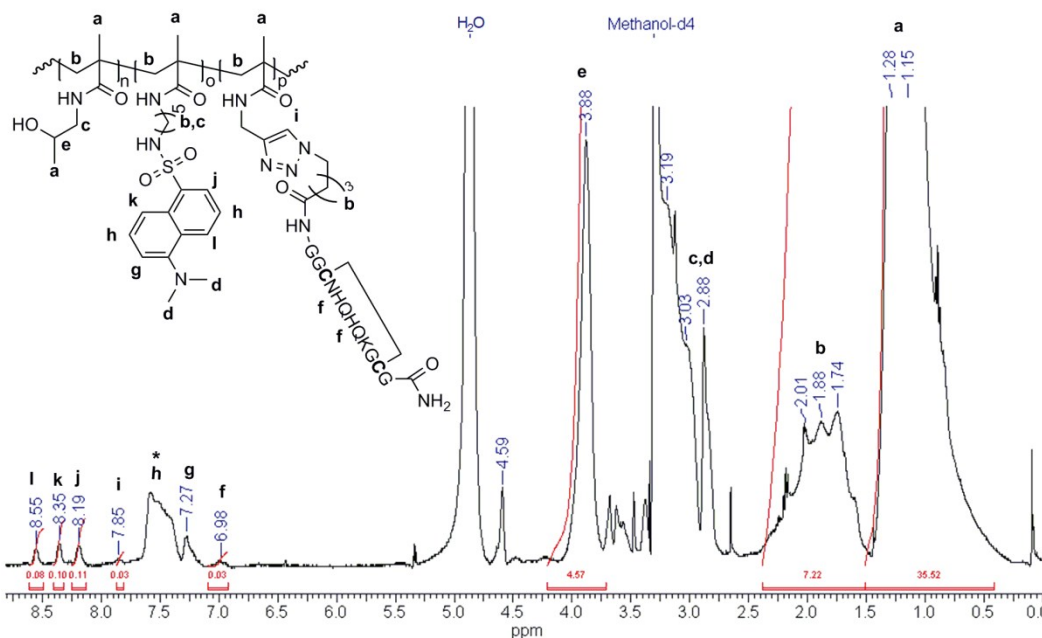


Figure S5: $^1\text{H-NMR}$ spectrum of the copolymer obtained using CuAAC condition **C5 (PC5)** in methanol- d_4 . * = 1H peaks associated with the hydrogen of the amide groups.

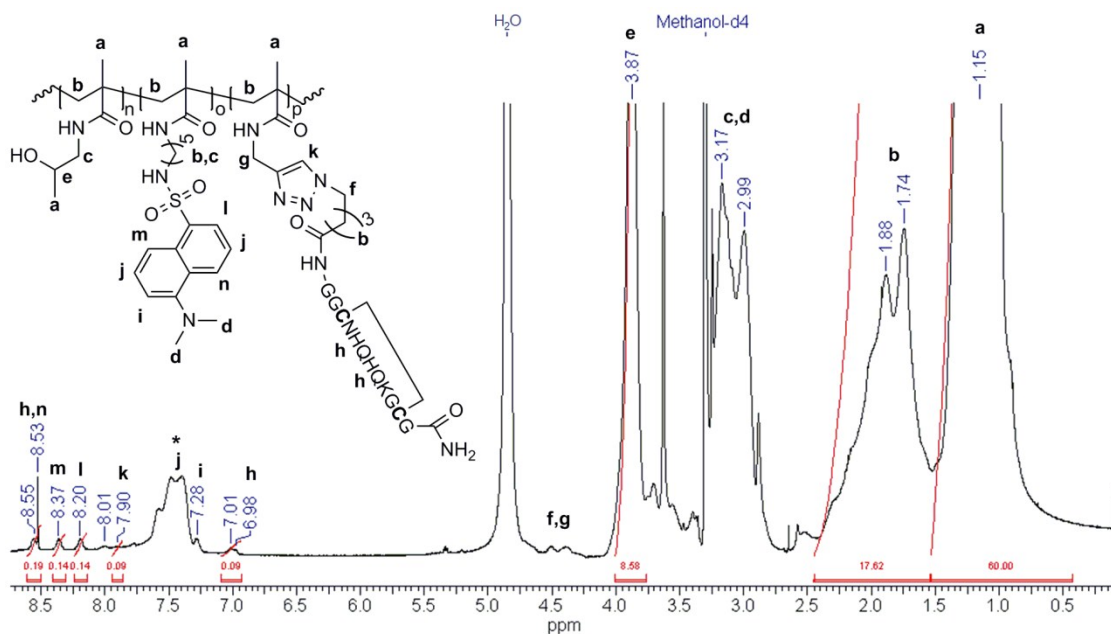


Figure S6: $^1\text{H-NMR}$ spectrum of **PPep1a** in methanol- d_4 . * = 1H peaks associated with the hydrogen of the amide groups.

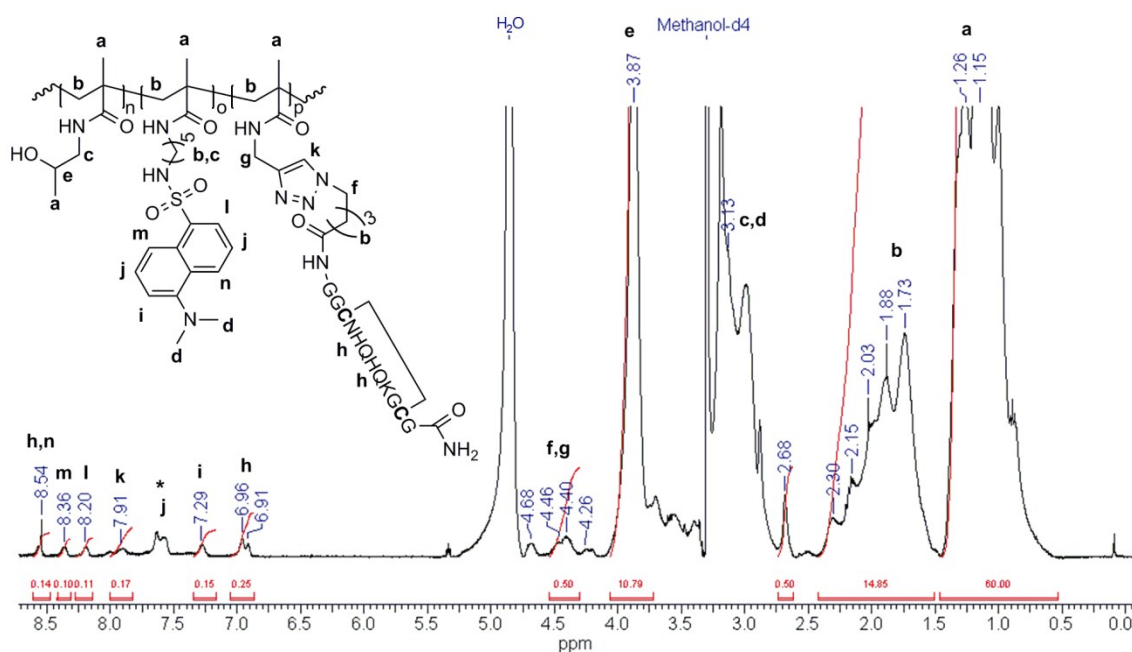


Figure S7: $^1\text{H-NMR}$ spectrum of **PPep1b** in methanol- d_4 . * = 1H peaks associated with the hydrogen of the amide groups.

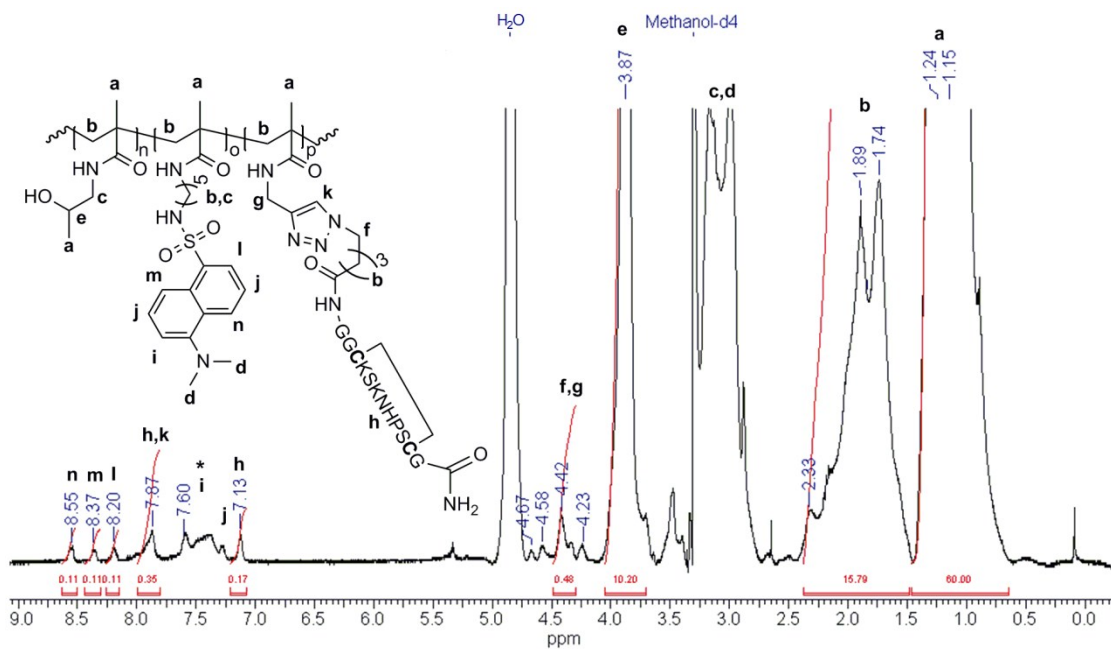


Figure S8: ¹H-NMR spectrum of **PPep2** in methanol-d₄. * = 1H peaks associated with the hydrogen of the amide groups.

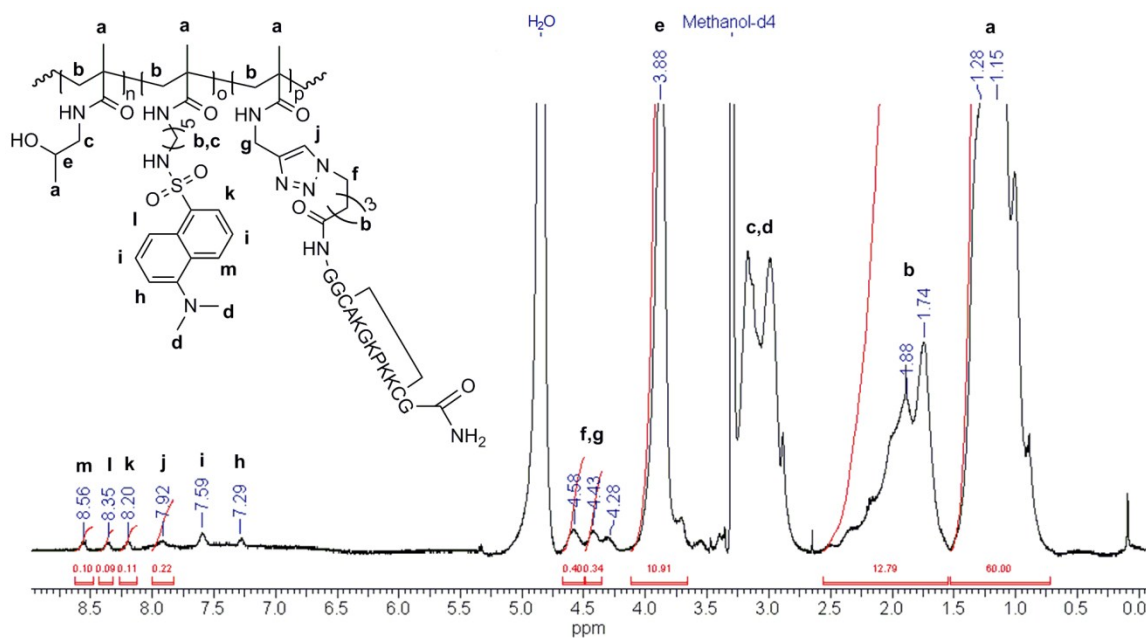


Figure S9: ¹H-NMR spectrum of **PPep3** in methanol-d₄.

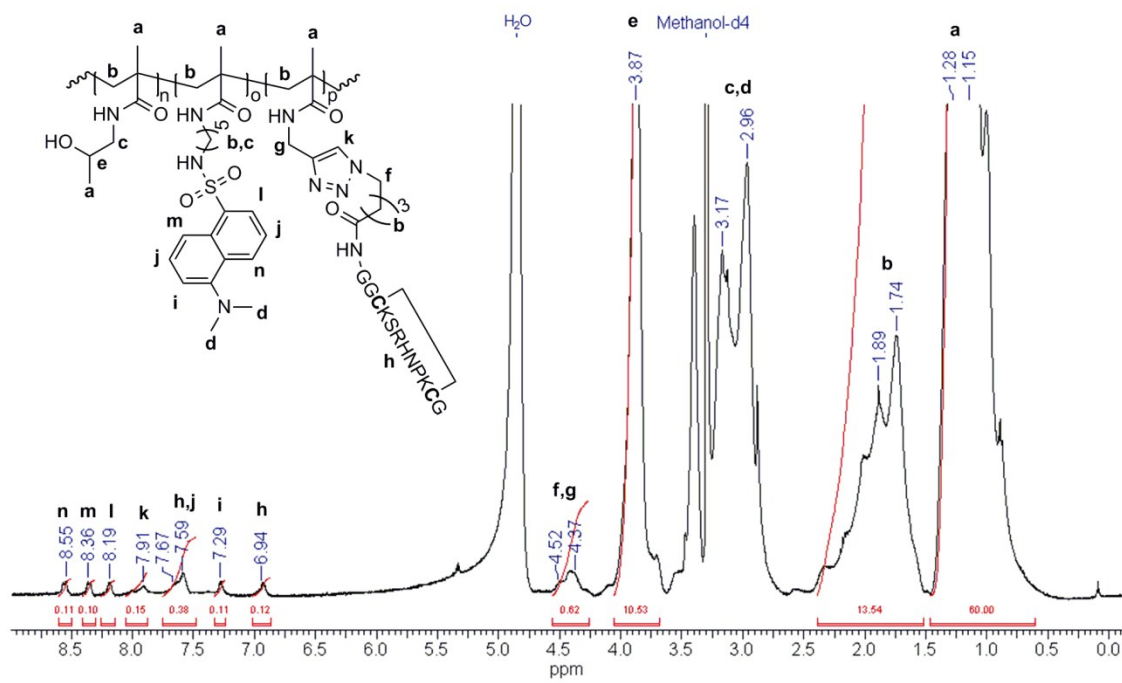


Figure S10: ¹H-NMR spectrum of **PPep4** in methanol-d₄.