

Supplementary Electronic Information

Modulating amyloid fibrillation in a minimalist model peptide by intermolecular disulfide chemical reduction

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Solid Phase Synthesis Standard Protocol

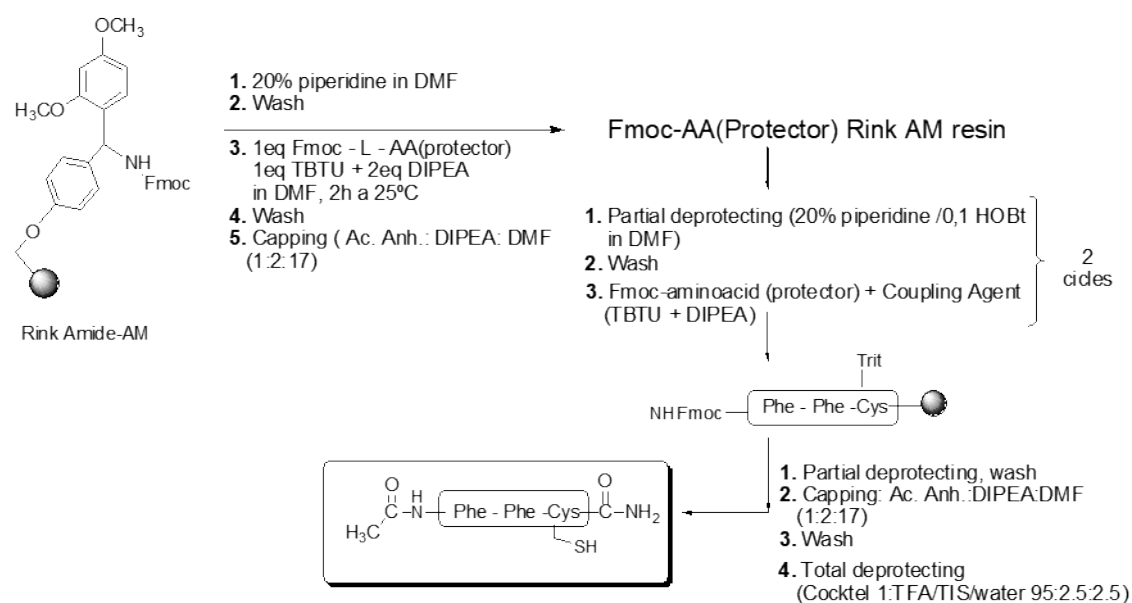


Fig. S1 Schematic solid phase synthetic procedure of Ac-FFC-NH₂.

Nuclear Magnetic Resonance Spectrum

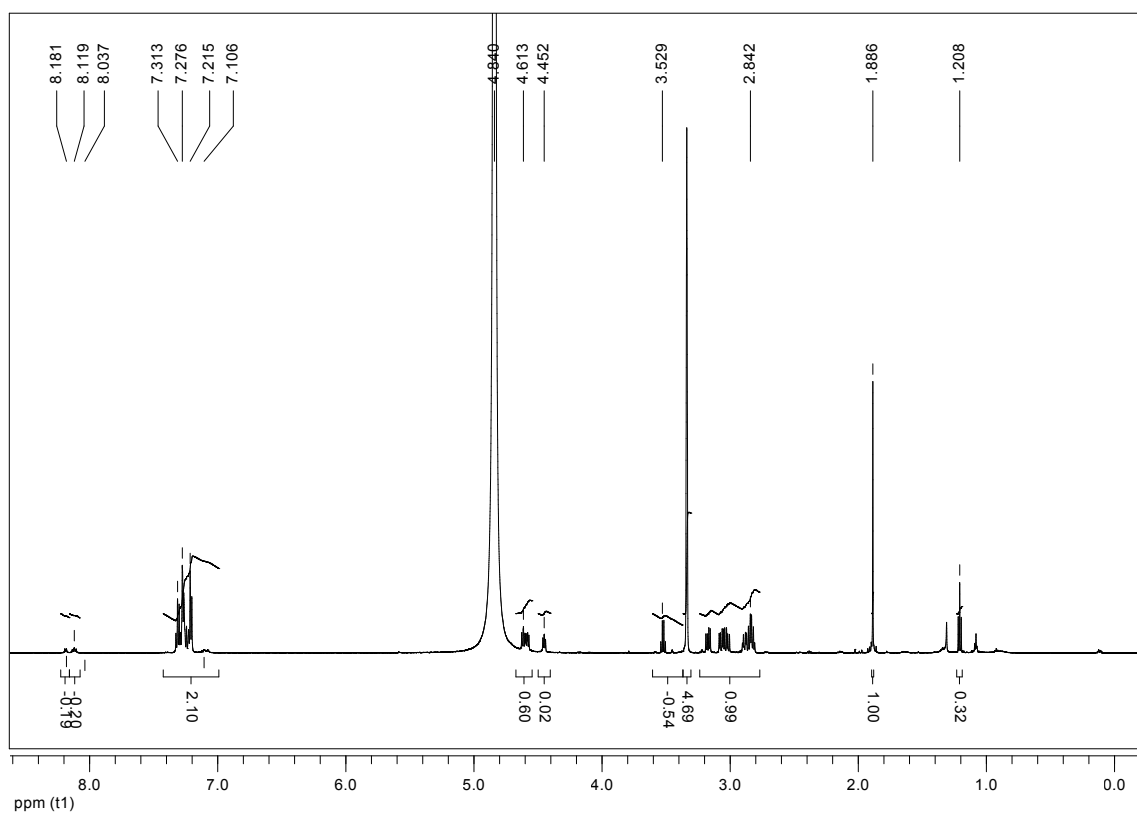


Fig. S2 ¹H-NMR Ac-FFC-NH₂ in Metanol-d₄.

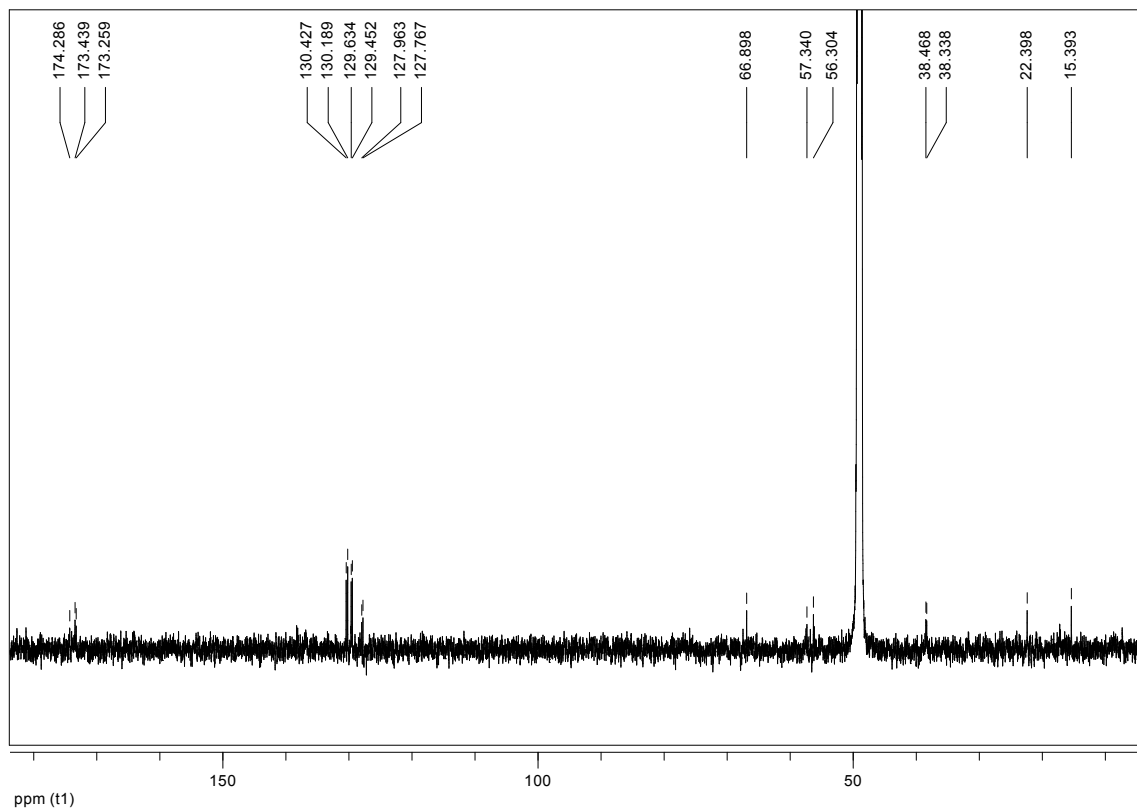


Fig. S3 ¹³C-NMR of Ac-FFC-NH₂ in Metanol-d₄



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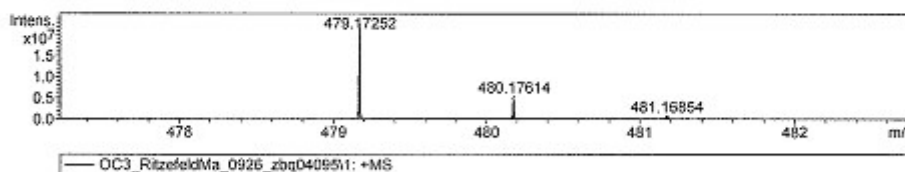
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Accurate Mass Measurement

Sample Name : zbq04095
Sample Supplier : Ritzefeld, Markus **Group :** OC3
Sample Filename : S:\APEX\aktuell\OC3\OC3_RitzefeldMa_0926_zbq04095\
Instrument : Bruker FT-ICR : APEX III (7.0 T)
Ionisation Method : ESI
Matching Method : HR with external calibration
Resolution : > 20000
Substance Inlet : ESI nano - Spray Emitter



Measured Ion Mass(es) : 479,17252 **Deviation [mmu] :** 0,17
Calculated Ion Mass(es) : 479,17235 **Deviation [ppm] :** 0,36
Potential Molecular Formula : C₂₃H₂₈N₄O₄SiNa⁺

Comment : Measured and calculated masses are true ion masses, taking into account the mass of lost (or added) electrons.

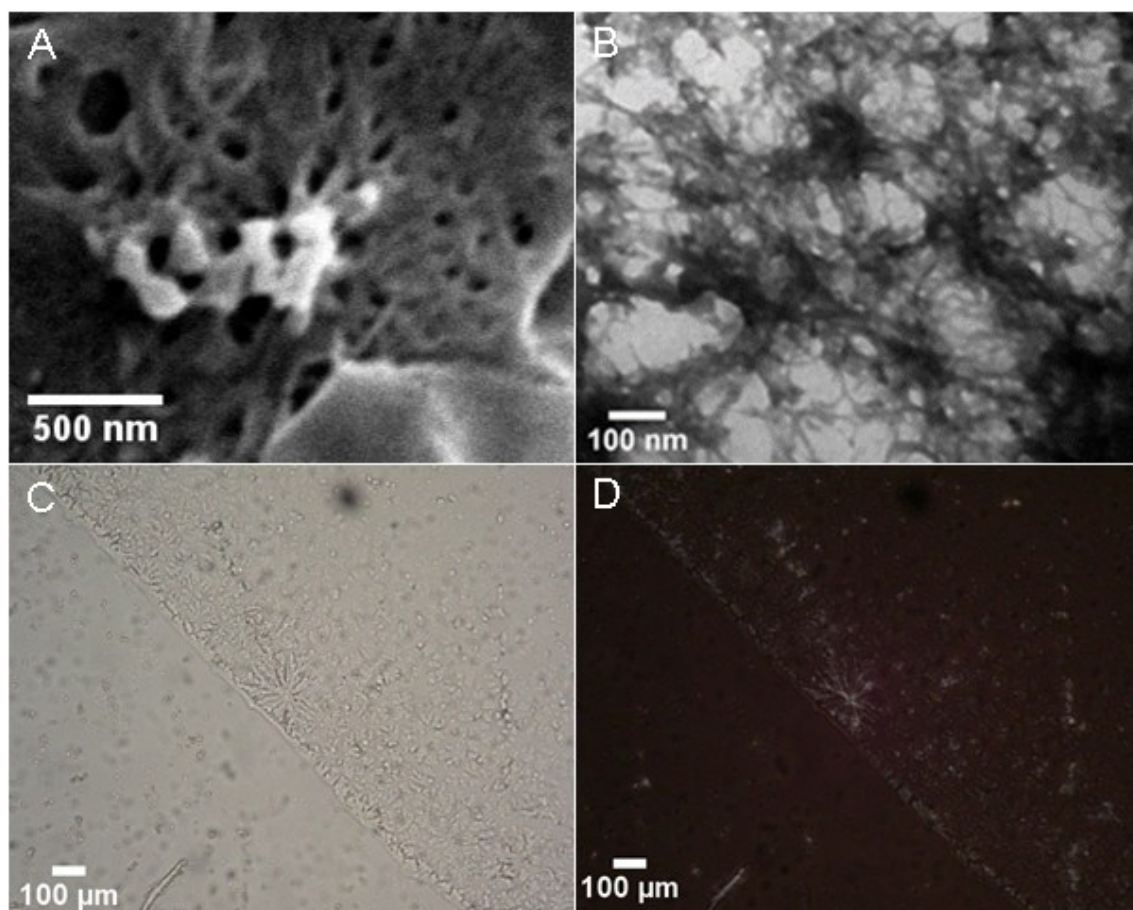


Fig. S4 Images of Ac-FFC-NH₂ supramolecular organisation at a higher concentration (0.436 mM). A) SEM; B) TEM; C) Bright field optical microscopy and D) Polarized optical microscopy showing birrefringence between crossed polarizers, which demonstrates crystallinity along the fibrils' long axis.