

Supporting Information

**Supramolecular nanotube-based fiber mats by self-assembly of a tailored amphiphilic
low molecular weight hydrogelator**

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¹H-Nuclear magnetic response measurement of 1 in DMSO-d₆

¹H-NMR spectrum was recorded on a Bruker AC 300 spectrometer at 298 K (300 MHz). The sample was dissolved in DMSO-d₆, which also acted as internal reference.

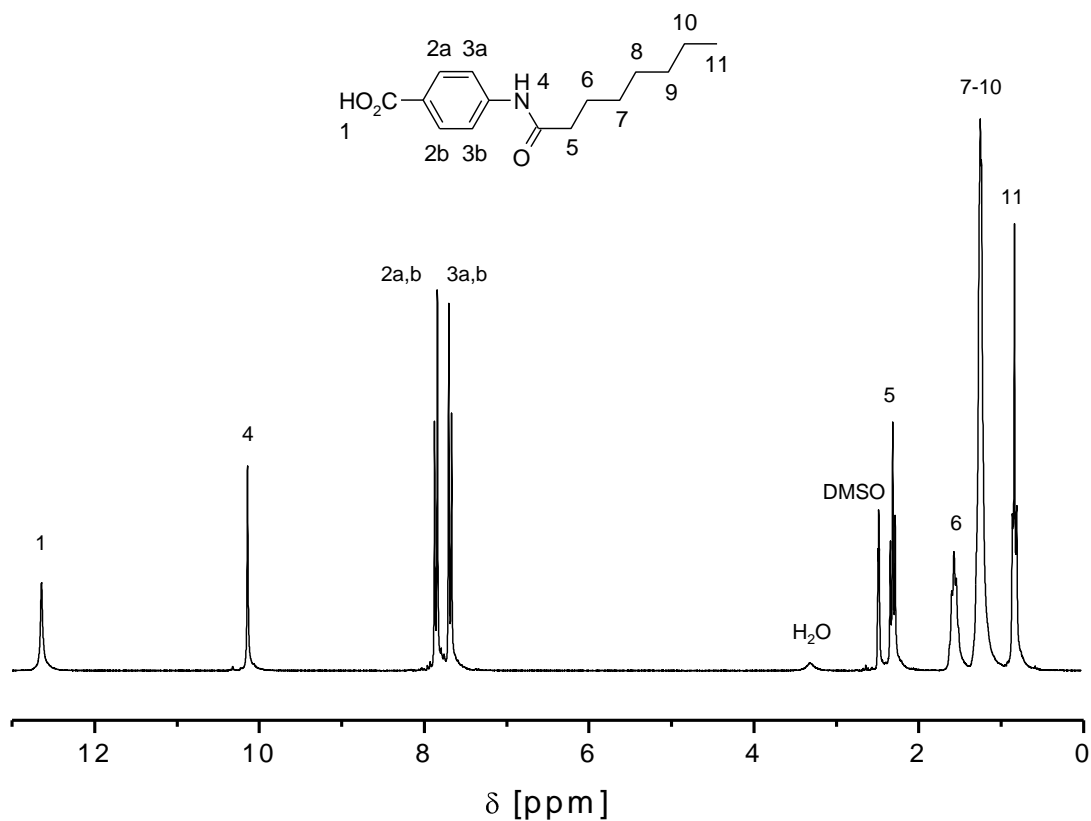


Fig. S1 ¹H-NMR of 1 in DMSO-d₆ and assignment of the proton signals.

¹H-NMR (300 MHz, DMSO, 25 °C) ppm: 12.64 (s, 1H, -COOH), 10.14 (s, 1H, -NH), 7.86 (d, J= 8.8 Hz, 2H, Ar-H), 7.69 (d, J=8.8 Hz, 2H, Ar-H), 2.33 (t, J=7.4 Hz, 2H, -CO-CH₂-), 1.59 (m, 2H, -CH₂-), 1.25 (m, 8H, -(CH₂)₄-), 0.86 (t, J=6.5 Hz, 3H, -CH₃).

BET measurement of nanofiber mat (1Na, prepared from 10 g/L of 1 in aqueous NaOH solution; 40 g/L of NaOH)

BET measurements were performed by nitrogen physisorption at 77 K on a Quantachrome Autosorb 1 instrument. Approximately 100 mg of the fiber mat was placed in a sample holder and degassed at 373 K for 24 h. The value for the specific surface is the average of the results obtained from two independently prepared samples.

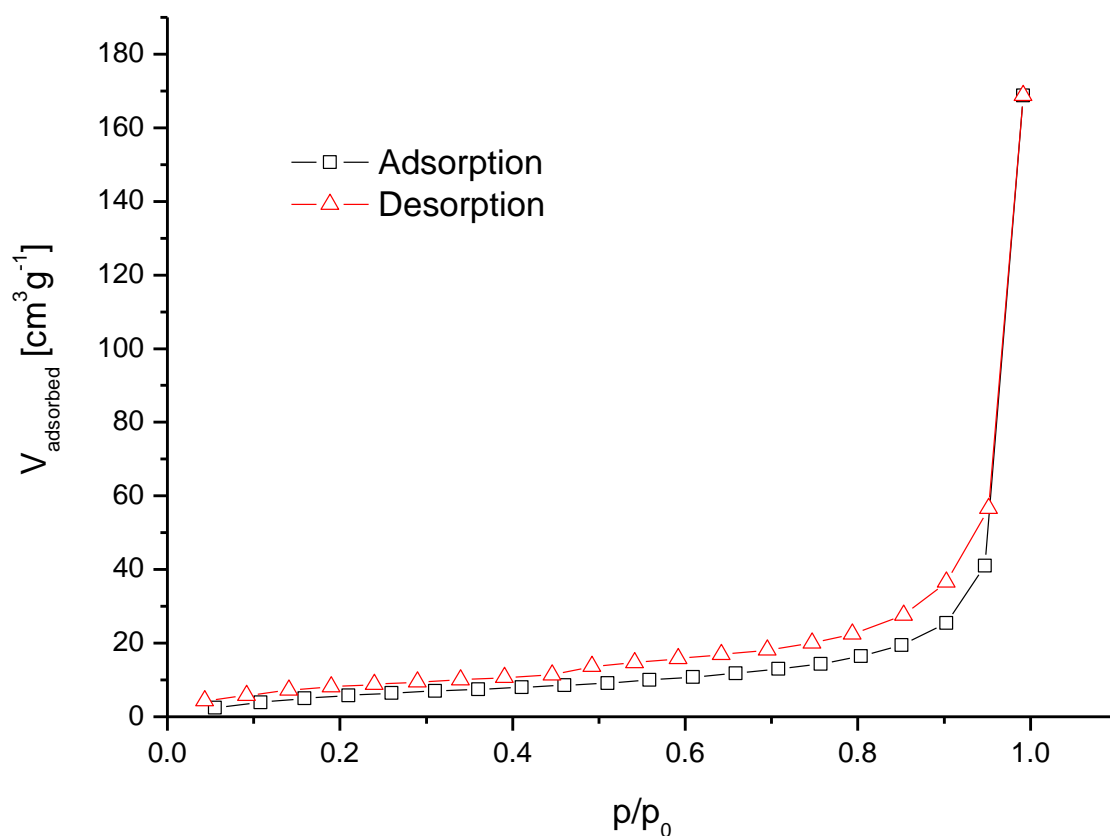


Fig. S2 BET measurement of a nanofiber mat (1Na, prepared from 10 g/L of 1 in aqueous NaOH solution; 40 g/L of NaOH).