

Supporting Information

Star-like polymer click-functionalized with small surface molecule: an initial investigation into properties and improving solubility in liquid crystals†

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Notes and references

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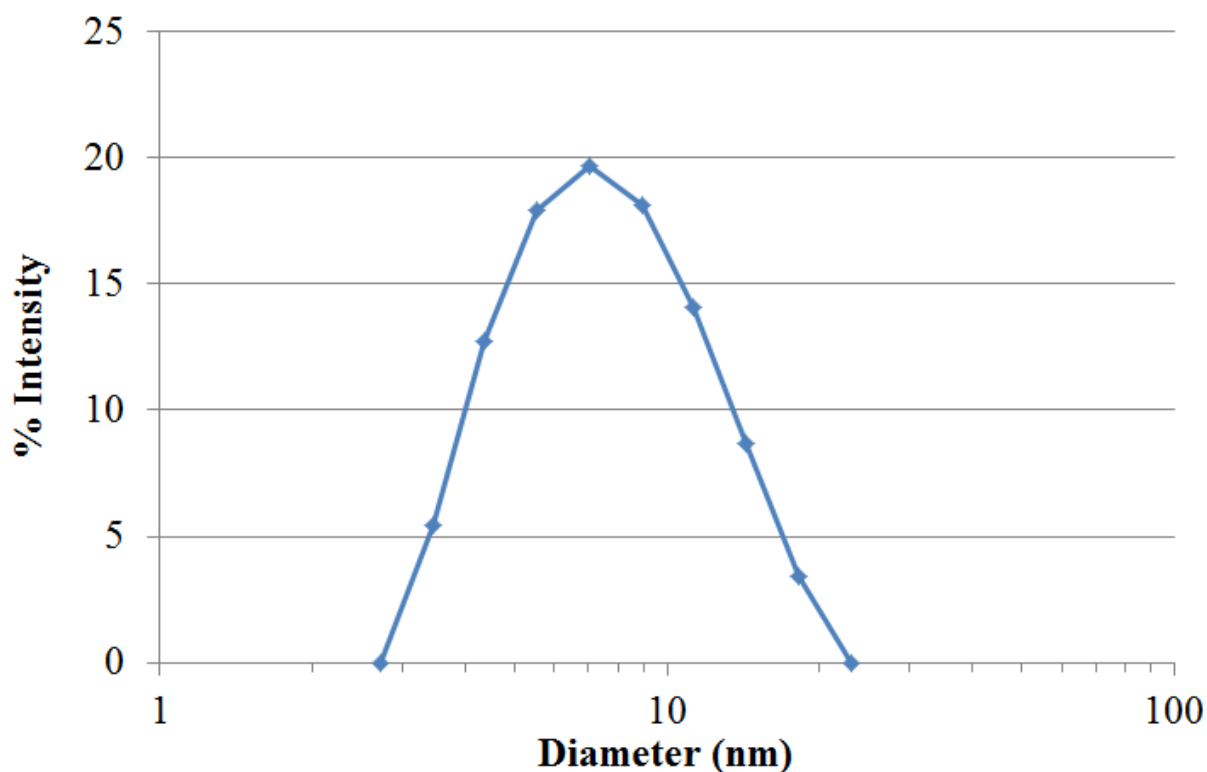


Fig. S1 Diameter distribution of starlike PAA-CNBP template obtained from DLS. Peak diameter is 7 nm. This is in agreement with sizes expected from similar conditions in previous publication.⁴²

Table S1. Summary of weight percentages of starlike PAA-CNBP samples in 5CB host

Sample	wt%
A	0.32
B	0.54
C	0.72
D	0.99
E	1.09
F	1.28
G	1.42
H	1.76

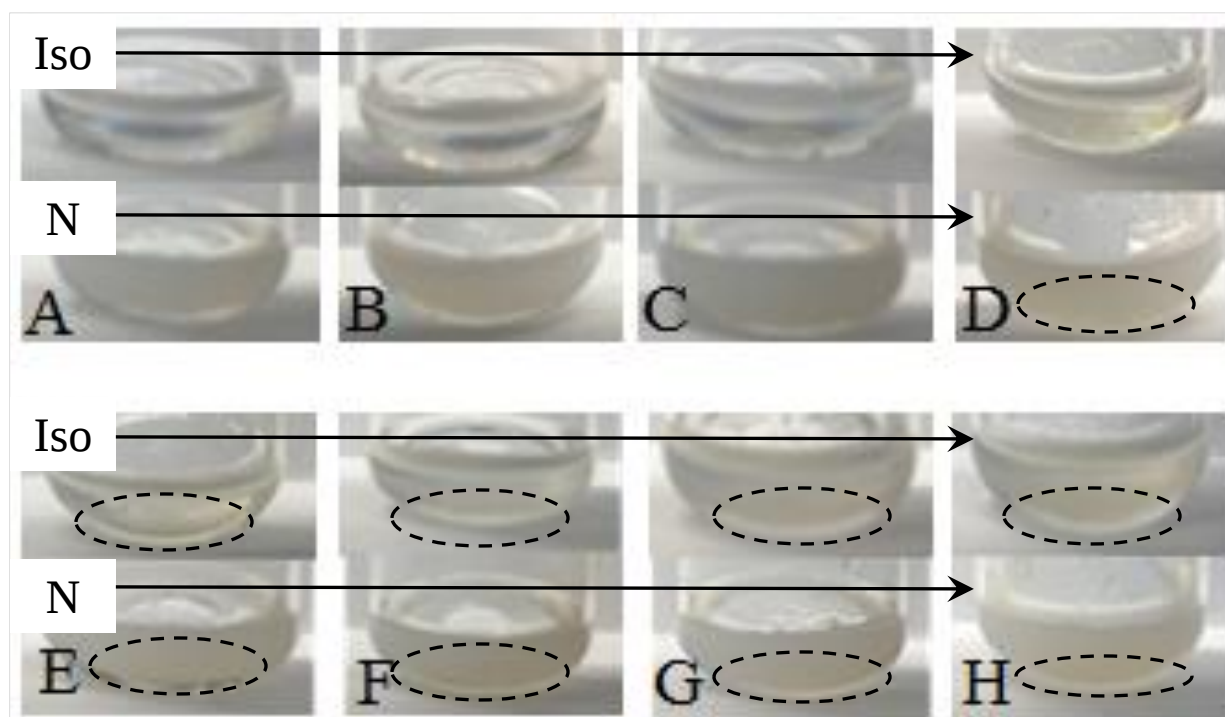


Fig. S2 Sequence of photographs of starlike PAA-CNBP in 5CB in order of increasing concentration from left to right (0.32 wt% to 1.76 wt% in 5CB). The top image in each sequence is in the isotropic state (Iso), ($T > T_{NI}$) and the bottom is in the nematic state (N), ($T < T_{NI}$). For 5CB, $T_{NI} = 35$ °C. Images were taken after the same amount of heating and sonication. Dashed circles indicate samples with noticeable sedimentation of PAA-CNBP. Sample A-C showed minimal sedimentation