Supporting Information

Generation of Liquid Crystallinity from a $T_d$-Symmetry Central Unit

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1. UV-vis spectroscopy:

Fig. S1 UV-vis absorption spectra of ADLCs 1-4 in CH₂Cl₂ Solution.
2. Differential Scanning Calorimetry (DSC):

Fig. S2 DSC thermograms of ADLC1 (A) and ADLC4 (B) obtained during the second heating and first cooling cycle at 10 °C/min.
3. Wide Angle X-Ray Scattering (WAXS):

**Fig. S3** Comparative XRD profiles of (A) ADLC2 and (B) ADLC3 at different temperatures.