

## Supporting Information

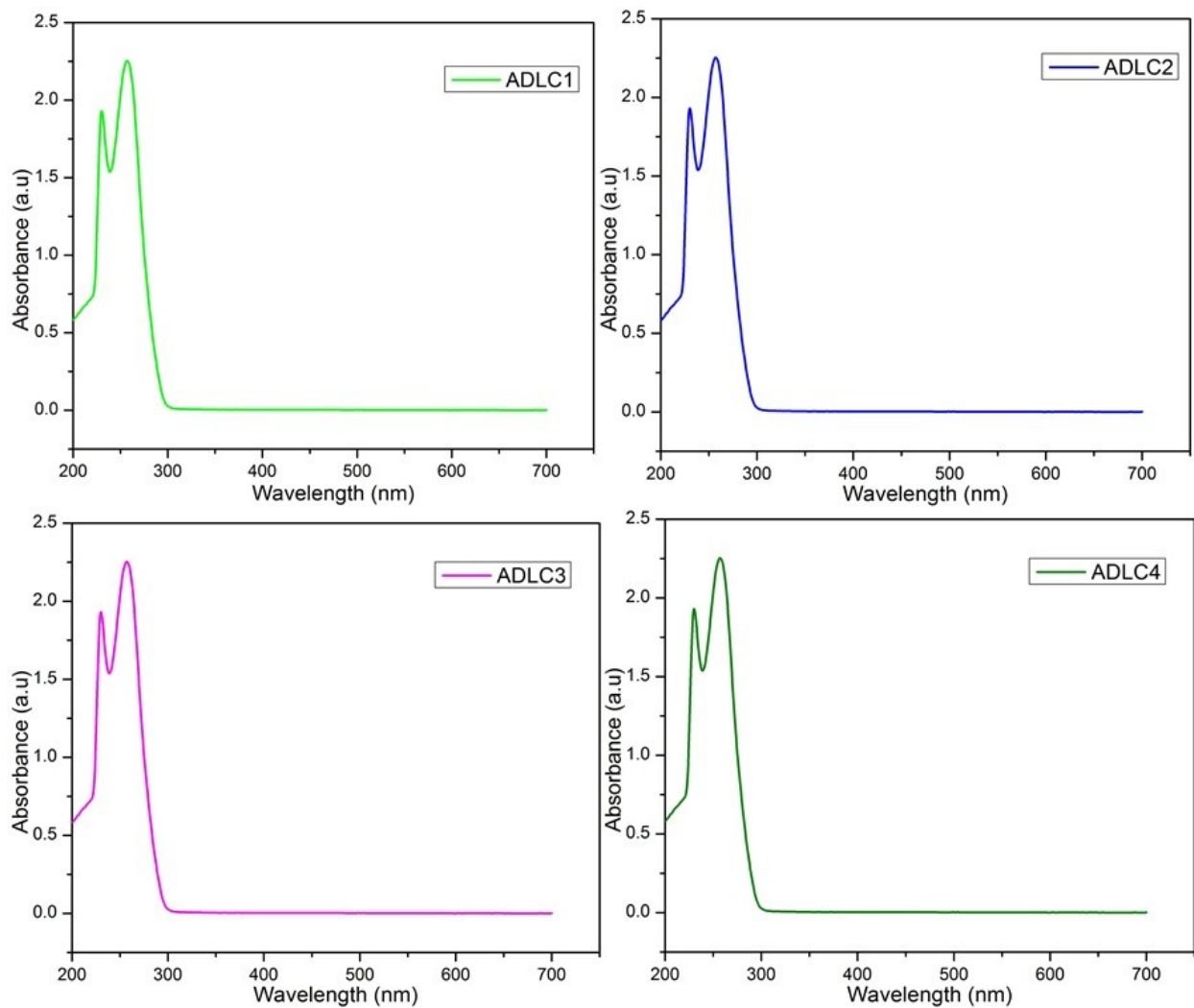
# **Generation of Liquid Crystallinity from a $T_d$ -Symmetry Central Unit**

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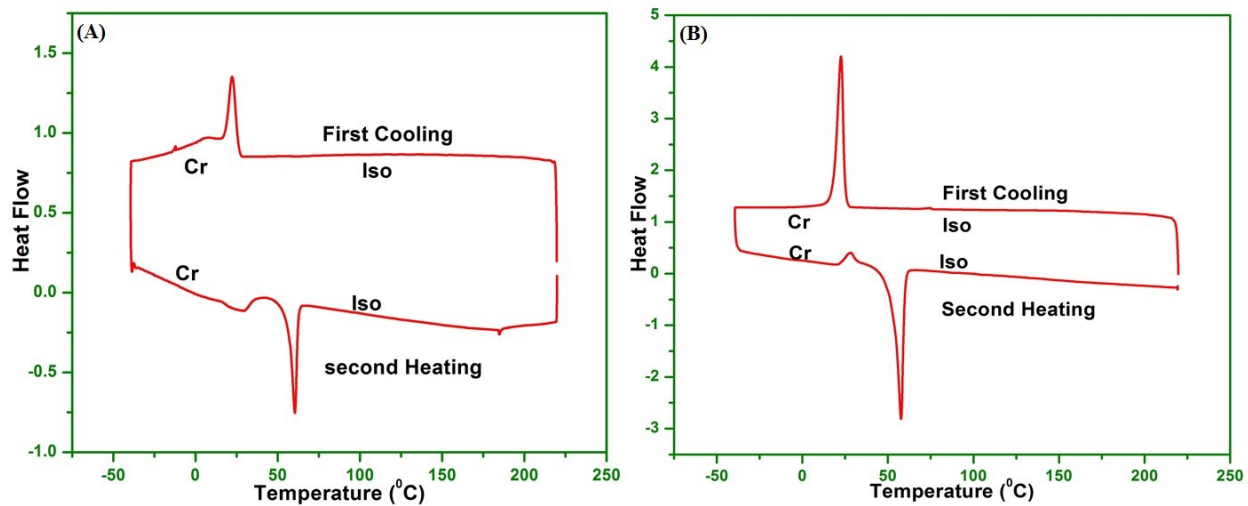
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## 1. UV-vis spectroscopy:



**Fig. S1** UV-vis absorption spectra of **ADLCs 1-4** in  $\text{CH}_2\text{Cl}_2$  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  $^{\circ}\text{C}/\text{min}$ .

### 3. Wide Angle X-Ray Scattering (WAXS):

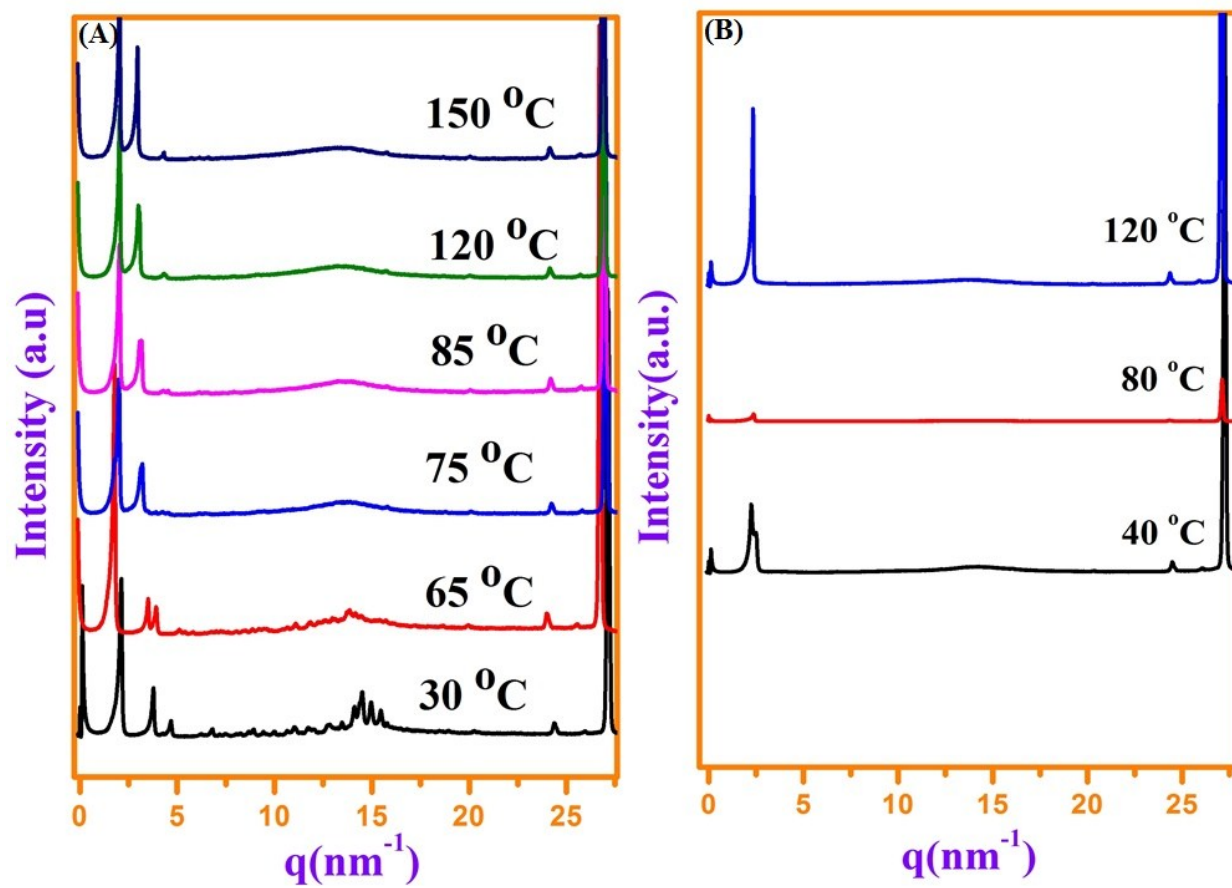


Fig. S3 Comparative XRD profiles of (A) ADLC2 and (B) ADLC3 at different temperatures.