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Enforced Liquid Crystalline Properties of Dibenzo[*a,c*]phenazine Dimer and Self Assembly

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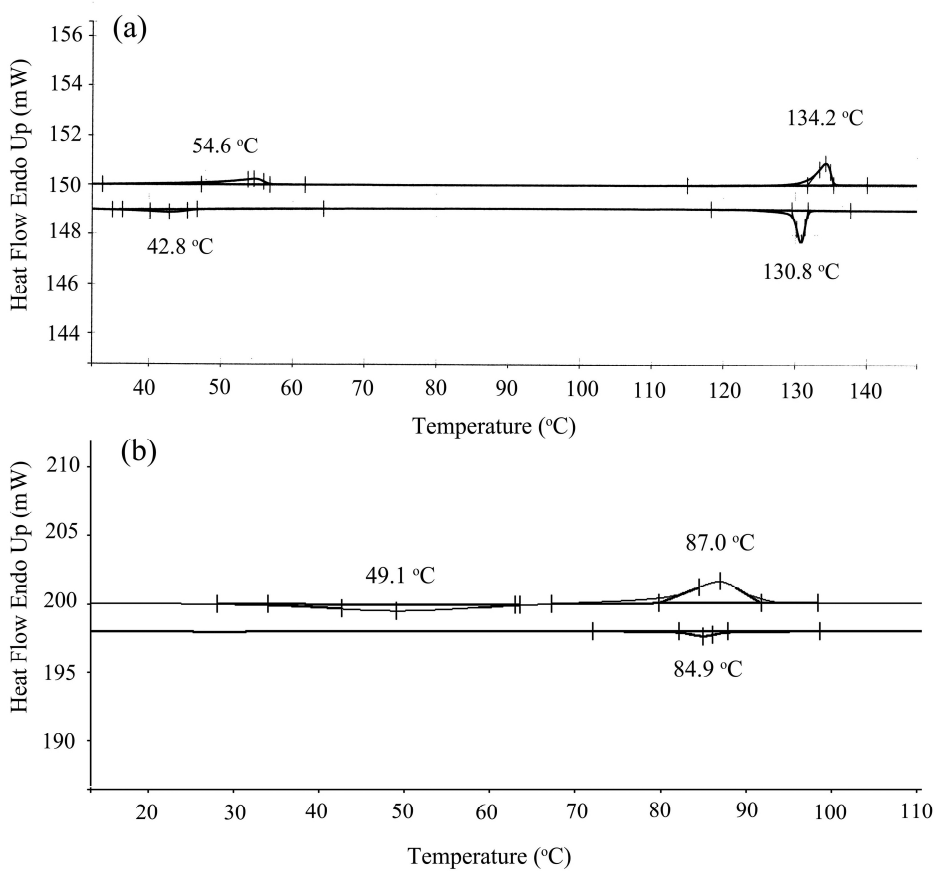

Figure S1. DSC thermograms show heating and cooling scans at 10 °C/min of (a) **DiHDBP(6,6,8)**. (b) **DiHDBP(6,6,10)** reveals exothermic peak while heating.

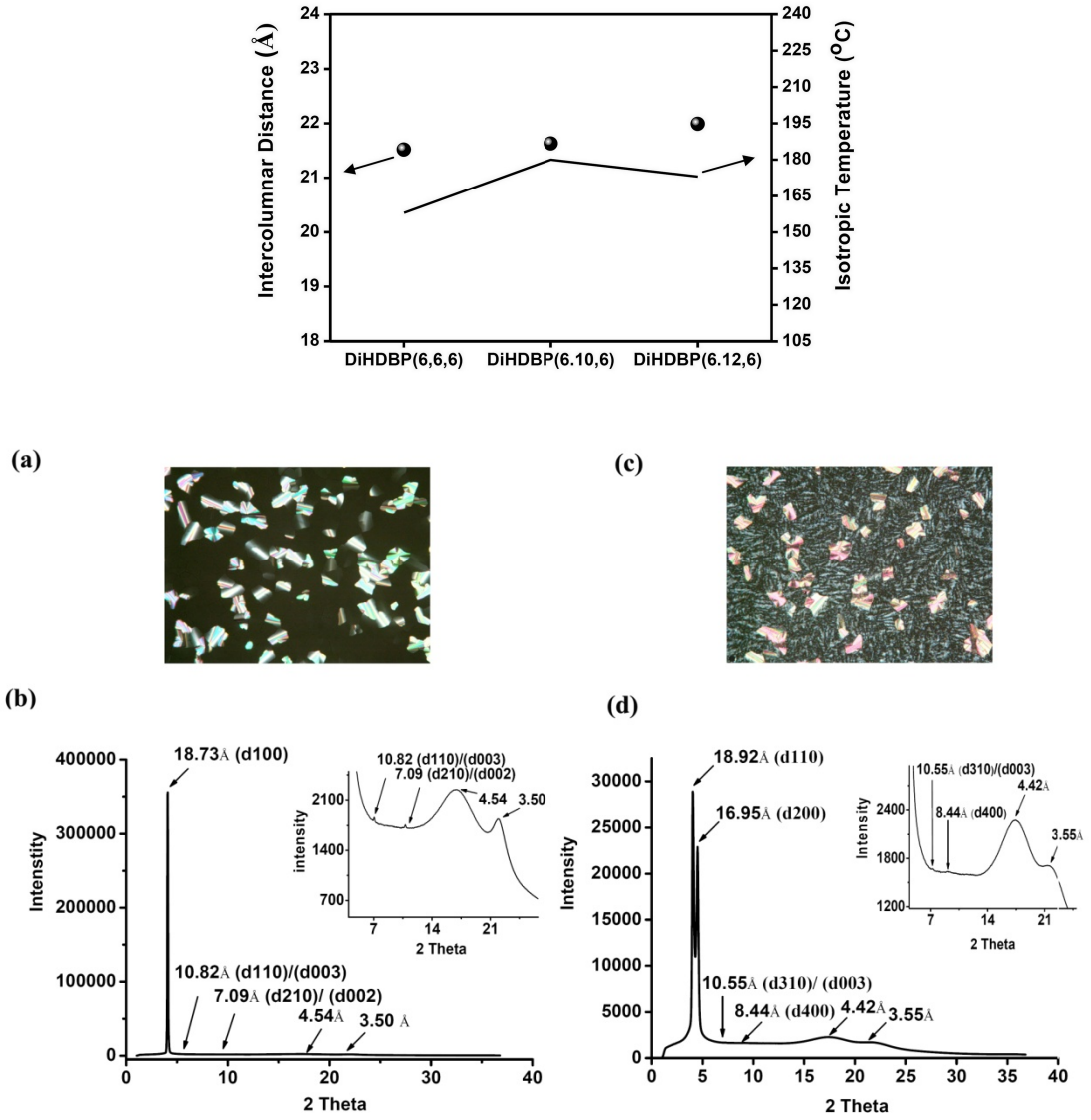

Figure S2. Top: Graphical representation for the inter-columnar distance (dot) and isotropic temperature as the spacer length increases (line). Bottom: Liquid crystalline properties of **DiHDBP(6,10,6)** (a) polarized optical micrograph of Col_h mesophase at 115 ^oC, x200, with cover glass in cooling process (black region = homeotropic) (b) the corresponding powder X-ray diffractogram of Col_h. (c) polarized optical micrograph of Col_r phase at room temperature, x200, with cover glass in cooling process. (d) the corresponding powder X-ray diffractogram of Col_r.