Electronic Supplementary Information

Orientation Control of Lyotropic Chromonic Liquid Crystals in the Capillary Bridge

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Legends

Fig. S1 Synthetic route of PTCDA to PDI-HCl

Fig. S2 Schematic illustrations of the formation of the capillary bridges in the sandwich cellFig. S3 POM images of uniaxially aligned PDI-HCl in the sandwich cell with diamond-scratched silicon and glass

Movie S1. Phase transition to N phase of PDI-HCl in the capillary bridge at $w = 20 \ \mu m$ Movie S2. Phase transition to N phase of PDI-HCl in the capillary bridge at $w = 50 \ \mu m$ Movie S3. Phase transition to N phase of PDI-HCl in the capillary bridge at $w = 100 \ \mu m$



Fig. S1 Synthetic route of PTCDA to PDI-HCl



Figure S2. Schematic illustrations of the formation of the capillary bridges in the sandwich cell



Figure S3. (a,b,c) POM and (d,e,f) POM with λ plate images of uniaxially aligned PDI-HCl in the sandwich cell with diamond-scratched silicon and glass. Red arrow means scratch direction and PDI-HCl aggregates aligned parallel to scratch direction.¹⁹ Scale bar is 100 μ m.