

Supporting Information for:

Thermal phase transition behaviours of the blue phase of bent-core nematogen and chiral dopant mixtures under different boundary conditions

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Figure S1.

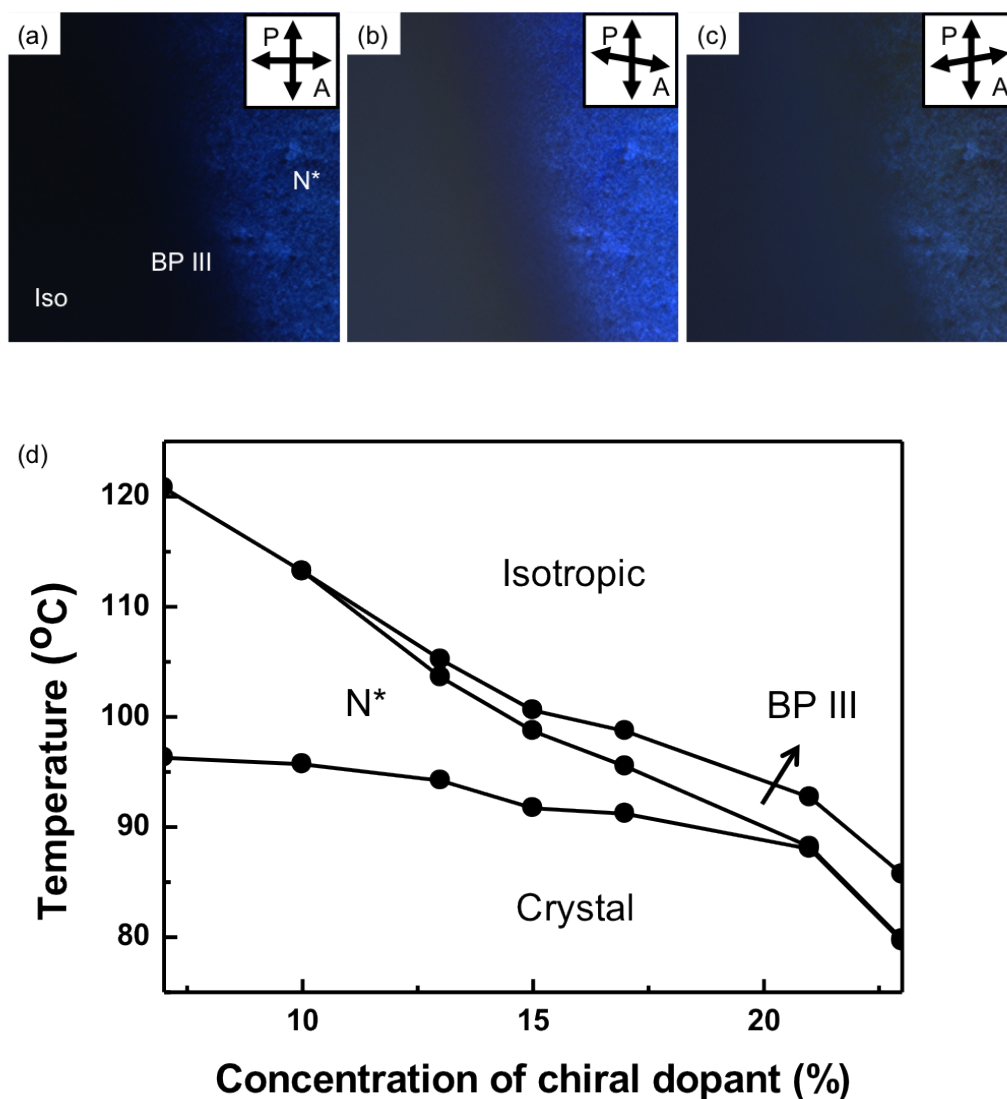


Fig S1. (a) The DTLM images of a contact cell for BNC and chiral dopant. The BP mixture consisting of 23 wt% of chiral dopant was injected from left, whereas pure BCN was injected from right. The contact cell exhibits an approximate concentration gradient between 0 and 23 wt% of chiral dopant at 90 °C. The analyzer was slightly rotated in (b) clockwise and (c) counter-clockwise directions, showing that the BP III is at isotropic/N* phases boundaries. (d) A phase diagram obtained by DTLM as a function of the concentration of the chiral dopant in a sandwich cell. The temperature rate was -0.2 °C/min.