

Electronic Supplementary Information

Optically Isotropic Liquid Crystal Media Formulated by Doping Star-shaped Cyclic Oligosiloxane Liquid Crystal Surfactants in Twin Nematic Liquid Crystals

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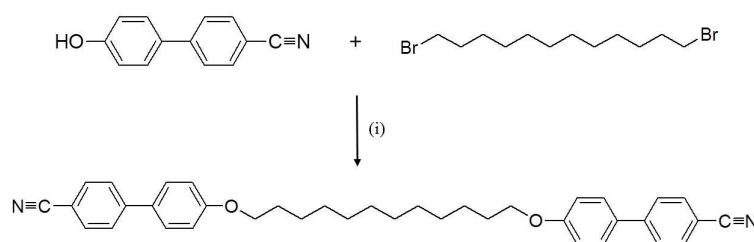


Fig. S1 Synthetic scheme of DiLC molecule and reaction conditions: (i) K_2CO_3 , N,N -dimethylformamide, $130\text{ }^\circ\text{C}$, 72 h.

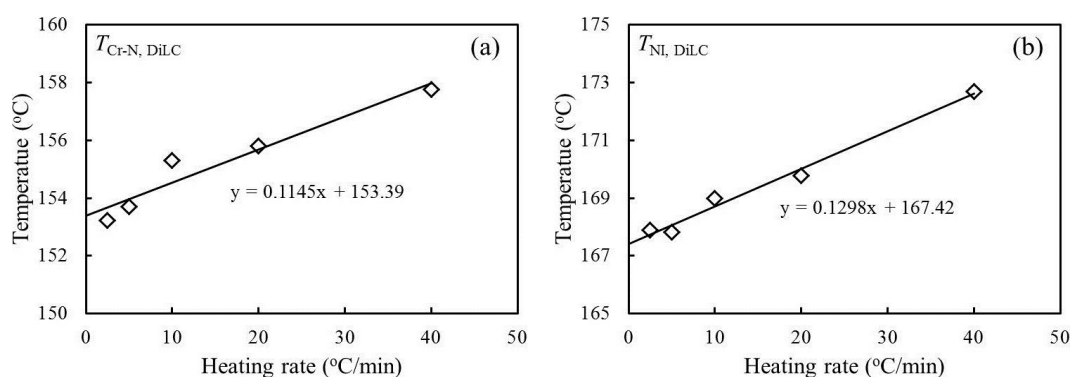


Fig. S2 Variation of (a) crystal-nematic (T_{Cr-N}) and (b) nematic-isotropic (T_{NI}) transition temperatures of neat DiLC depending on the scanning rates. Transition temperatures at equilibrium state have been estimated by extrapolating the transition points to zero.