Electronic supplementary information

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Figure S1. (a) $^1$H NMR spectrum of 6,12-bis(4-bromophenyl)-5,11-dioctyl-5,11-dihydroindolo[3,2-b]carbazole in CDCl$_3$, solvent peak at $\delta = 7.26$ ppm was marked by “x”, (b) $^{13}$C NMR spectrum of 6,12-bis(4-bromophenyl)-5,11-dioctyl-5,11-dihydroindolo[3,2-b]carbazole in CDCl$_3$, solvent peak at $\delta = 77.01$ ppm was marked by “X”.
Figure S2. $^1$H NMR spectra of (a) PDTCZ-1 and (b) PDTCZ-2 in CDCl$_3$. Solvent and tetramethylsilane peaks were marked by “x”, “y” respectively.