Supplementary data

Experimental and theoretical approaches of new nematogenic chair architectures of supramolecular H-bonded liquid crystals

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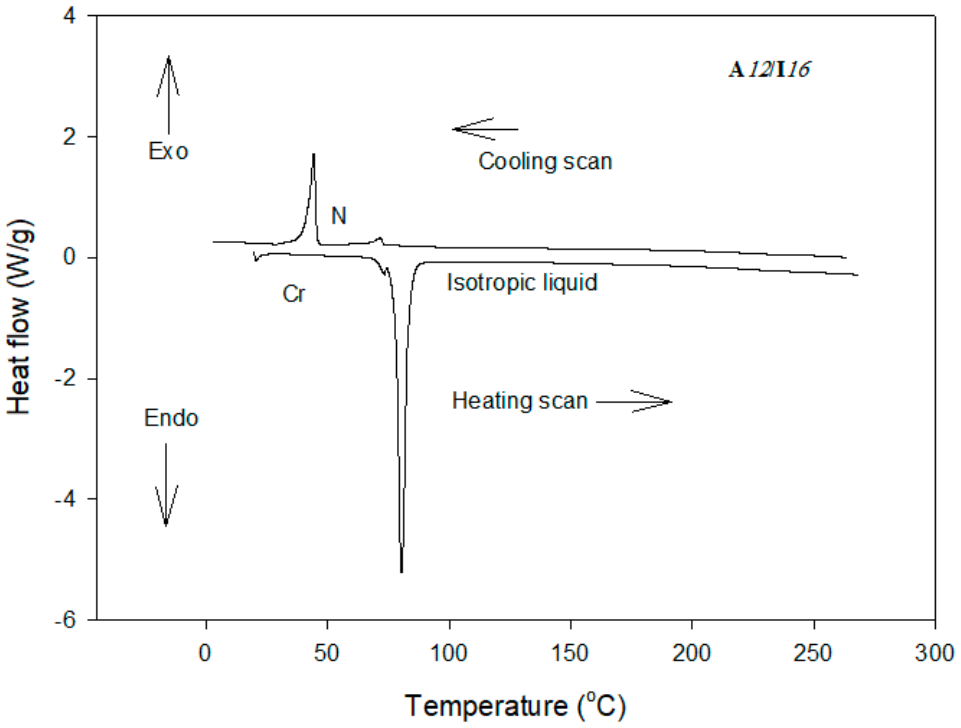

Figure S1. DSC thermograms of **A***12*/**I***16* supramolecular complex upon heating and cooling cycles with heating rate 10 oC/min.

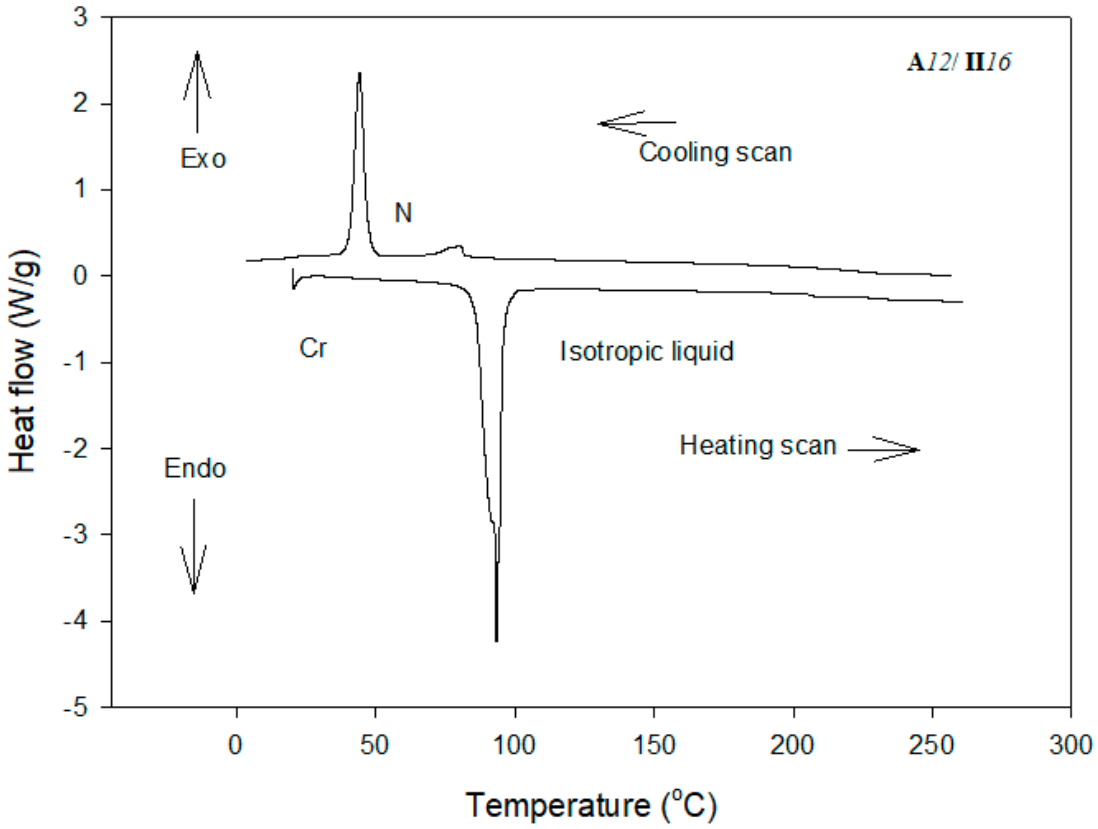

Figure S2. DSC thermograms of **A***12*/**II***16* supramolecular complex upon heating and cooling cycles with heating rate 10 oC/min.

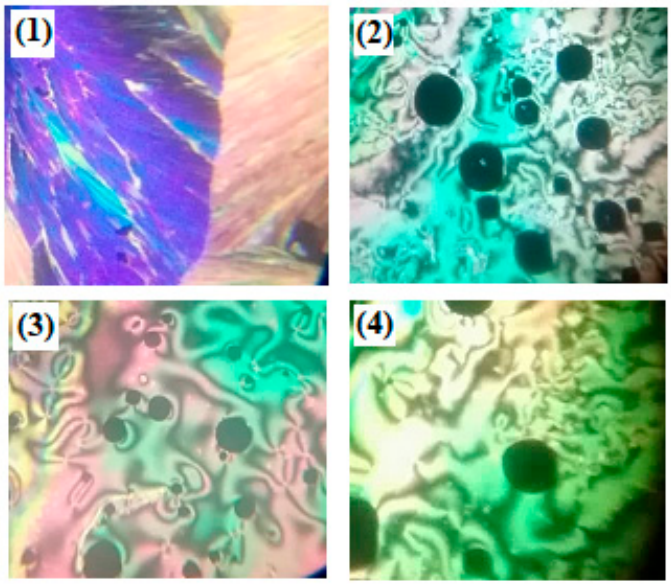

Figure S3: Some textures (Size: 41.8x 10^6 nm) under POM of the supramolecular complexes upon heating (1) solid phase of **A***10*/**I***8* at 52.0 ºC; (2) nematic phase of **A***6*/**I***8* at 75.0 ºC; (3) nematic phase of **A***6*/**II***8* at 112.0 ºC; and (4) nematic phase of **A***8*/**II***8* at 85.0 ºC.

Table S1: Normalized entropy change ($\Delta S/R$) for the supramolecular complexes **A***n*/**III***16* and **A***n*/**IV***16*.

System	$\Delta S/R$
A*6*/**III***16*	1.18
A*8*/ **III***16*	1.42
A*10*/ **III***16*	2.27
A*12*/ **III***16*	2.40
A*8*/**IV***16*	0.50
A*10*/ **IV***16*	0.41
A*12*/ **IV***16*	2.22
A*14*/ **IV***16*	2.19