

Supplementary Information Soft Matter Journal

Order parameters and time evolution of mesophases in the lyotropic chromonic liquid crystal Sunset Yellow FCF by DNMR

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S1. DNMR pulses information.

Solid echo sequence was used for dS-h system and single pulse for S-d system.

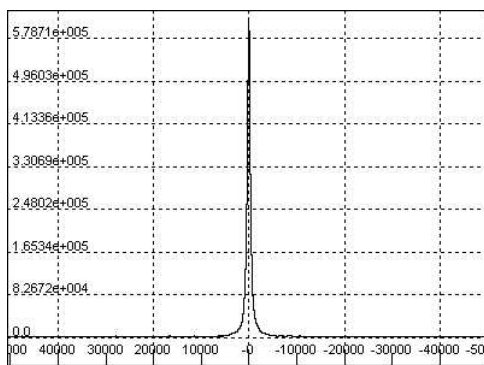
The pulse lengths range from 3 to 10

2000 scans.

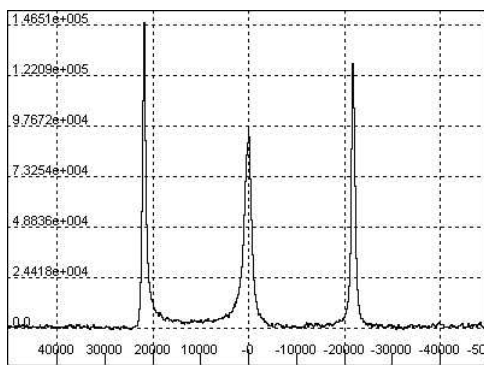
For solid echo 1000 ms with 1000 repetition rate

S2. Spectra for the sample of concentration 34% of the dS-h system at three different temperatures.

85 °C (Isotropic phase)



75 °C (Nematic+Isotropic phases)



58 °C (Nematic phase)

