

Electronic Supplementary Information

Spectral data obtained for compounds **1a** and **1b**

Compound **1a**, **4-*n*-Octyloxybenzoyloxy-4-benzoic acid**: IR (KBr) $\nu_{\max}$: 3085, 2923, 2854, 2678, 2549, 1732, 1689, 1596, 1425, 1262, 1213, 1160, 1074, 1020, 759 cm^{-1} ; ^1H NMR (400 MHz, CD_3COCD_3) δ_{ppm} : 8.20 (d, 2H, 3J 8.68 Hz, Ar-H), 8.14 (d, 2H, 3J 8.88 Hz, Ar-H), 7.40 (d, 2H, 3J 8.68 Hz, Ar-H), 7.12 (d, 2H, 3J 8.88 Hz, Ar-H), 4.05 (t, 2H, 3J 6.48 Hz, Ar-O-CH₂-), 1.86–1.79 (quin, 2H, 3J 7.0 Hz, Ar-O-CH₂-CH₂-), 1.51–1.28 (quin, 2H, 3J 7.0 Hz, Ar-O-CH₂-CH₂-CH₂-), 1.36–1.26 (m, 8H, -(CH₂)₄-), 0.88 (t, 3H, 3J 6.48 Hz, -CH₃).

Compound **1b**, **4-*n*-Tetradecyloxybenzoyloxy-4-benzoic acid**: IR (KBr) $\nu_{\max}$: 3070, 2952, 2920, 2851, 2676, 2548, 1732, 1688, 1603, 1425, 1262, 1160, 1078, 1025, 760 cm^{-1} ; ^1H NMR (400 MHz, CD_3COCD_3) δ_{ppm} : 8.20 (d, 2H, 3J 8.68 Hz, Ar-H), 8.14 (d, 2H, 3J 8.88 Hz, Ar-H), 7.34 (d, 2H, 3J 8.68 Hz, Ar-H), 6.98 (d, 2H, 3J 8.88 Hz, Ar-H), 4.05 (t, 2H, 3J 6.48 Hz, Ar-O-CH₂-), 1.86–1.79 (quin, 2H, 3J 7.0 Hz, Ar-O-CH₂-CH₂-), 1.51–1.28 (m, 22H, -(CH₂)₁₁-), 0.89 (t, 3H, 3J 6.48 Hz, -CH₃).

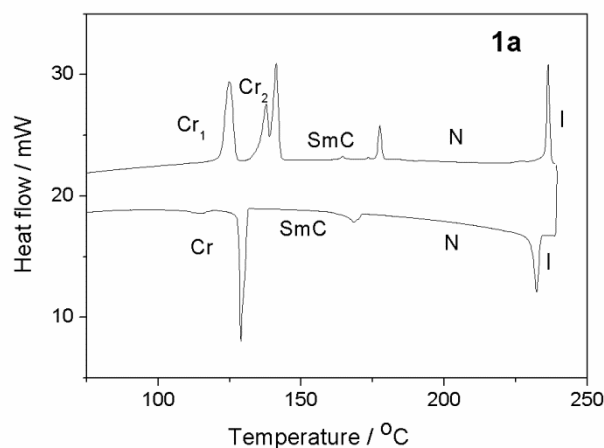


Fig. S1: A DSC thermogram obtained for compound **1a**

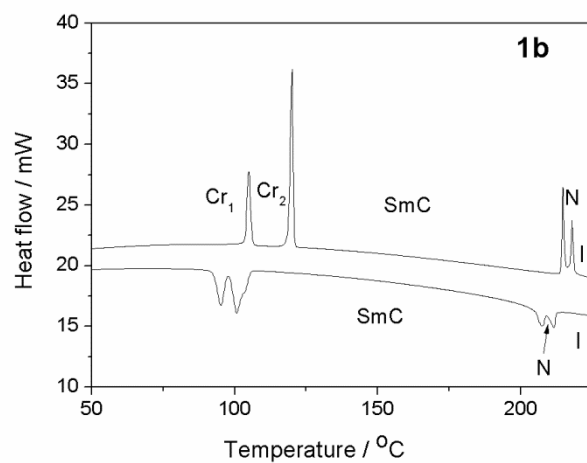


Fig. S2: A DSC thermogram obtained for compound **1b**

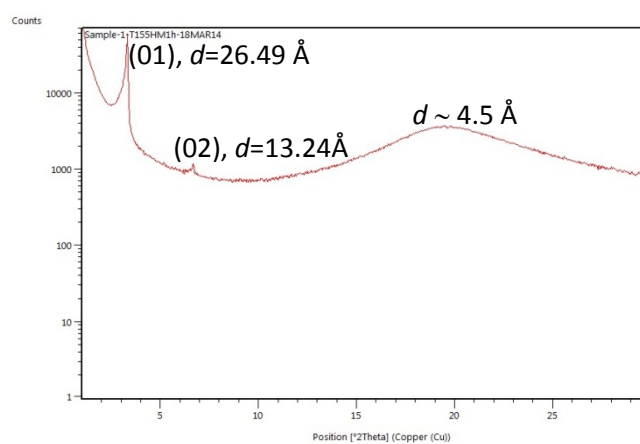


Fig. S3: X-ray diffractogram obtained for compound **1a** at 155°C in the SmC phase.

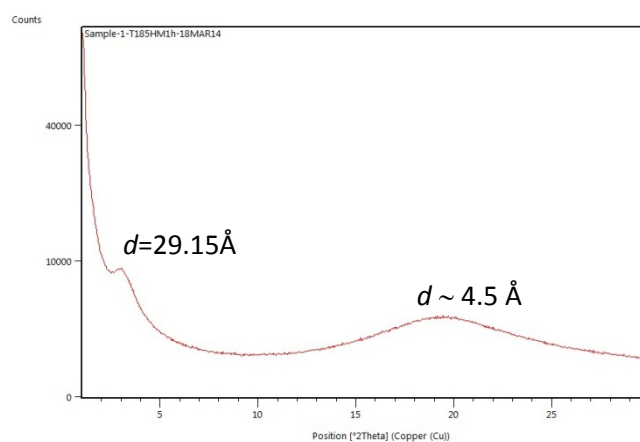


Fig. S4: X-ray diffractogram obtained for compound **1a** at 185°C in the N phase.

