Correlated Layer Structures – A Novel Type of Liquid Crystalline Phases with 2D-Lattice

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Supporting Information

Analytical data of **2:** ^{1}H NMR (CD_3OD, 400 MHz, 27 °C) δ_H 7.48 (d, 2H, J = 8.7 Hz), 7.13 (d, 1H, J = 2.1 Hz), 7.09 (dd, 1H, ^{3}J = 8.3 Hz, ^{4}J = 2.1 Hz), 7.02 (d, 1H, J = 8.3 Hz), 6.99 (d, 2H, J = 8.7 Hz), 4.78-3.95 (m, 8H), 3.76-3.63 (m, 4H), 2.23-2.11 (m, 2H), 1.87-1.84 (m, 1H), 1.75-1.62 (m, 3H), 1.56-1.27 (m, 17H), 0.86 (t, 3H, J = 6.9 Hz); ^{13}C NMR (CD_3OD, 126 MHz, 27 °C) δ_C 159.7, 150.9, 149.5, 136.2, 134.9, 128.7 (2C), 120.4, 116.3, 115.9 (2C), 114.0, 73.1, 72.1, 71.9, 70.4, 64.5, 64.2, 39.3, 33.1, 32.2, 32.1, 32.0, 31.9, 31.0, 30.7, 30.6, 30.5, 27.9, 23.7, 18.9, 14.4; ^{19}F NMR (CD_3OD, 188 MHz, 27 °C) δ_F -82.96 (s, 3F), -115.53 (s, 2F), -123.25 (s, 2F), -124.24 (s, 2F), -124.80 (s, 2F), -127.64 (s, 2F); anal. calcd for $C_{38}H_{49}F_{13}O_7$: C, 52.78; H, 5.71; found: C, 52.44; H, 5.48 %.