

Supporting Information for Matrix-molecule Induced Chiral Enhancement Effect of Binary Supramolecular Liquid Crystals

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Structural confirmation of C4 molecules

Confirmation of the structure of products was obtained by ¹H NMR spectra recorded on a Varian Unity plus-400 spectrometer in CDCl₃ solutions, and the chemical shifts are referenced to the internal tetramethylsilane peak. Mass spectra were obtained with Finnigan LCQ Advantage. The purity of the products was checked by elemental analysis with Elementar vario EL elemental analyzer (Elementar, Germany). Yield 69%; mp 178°C. ¹H NMR (400 MHz, CDCl₃, TMS): δ=0.5–2.35 (m, 43H), 2.62 (t, 2H), 2.69 (t, 2H), 4.63 (m, 1H), 5.38 (d, 1H). MS (ESI): calculated for C₃₁H₅₀O₄: 2M-H⁺, 972.46; found: m/z 971.55 (2M-H⁺). Elemental analysis (%): calculated for C₃₁H₅₀O₄: C 76.50, H 10.35. found: C 76.31, H 10.27.

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