

Supplementary materials for the article

Properties of Antiferroelectric Mixtures Differing in the Amount of Added Racemate

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Mass Spectra of Mesogens

The purity of the liquid crystalline enantiomers/racemate was recorded using a Shimadzu prominence chromatograph. A strong molecular ion with a captured sodium atom $[M + Na]^+$ and hydrogen atom $[M + H]^+$ was observed (see Figures S1–S3).

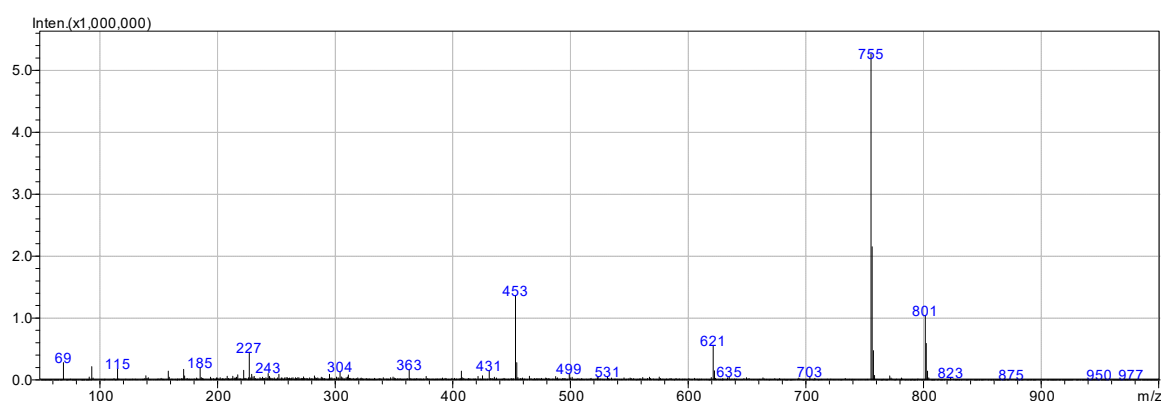


Figure S1. Mass spectrum of the enantiomer 1.(S).

Purity: 99.9% (HPLC); m.p: 28.1°C.

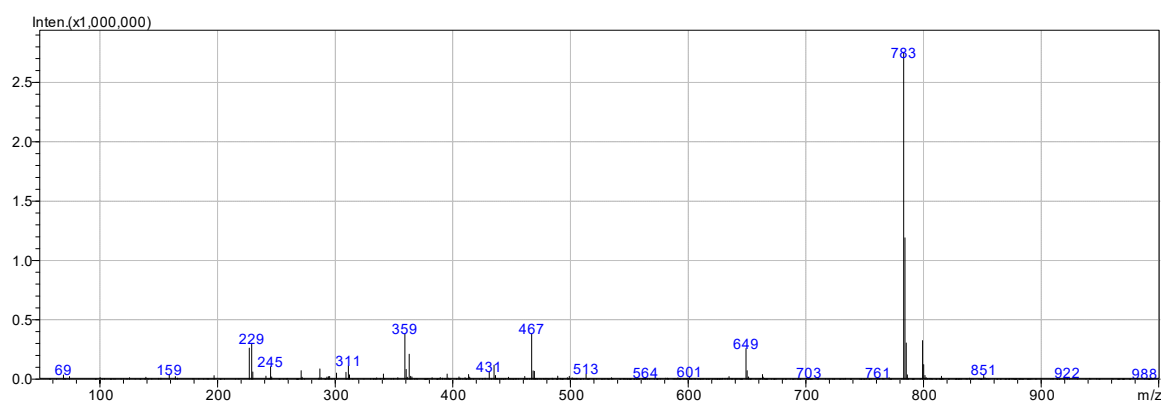


Figure S2. Mass spectrum of the enantiomer 2.(S).

Purity: 99.0% (HPLC); m.p.: 37.4°C.

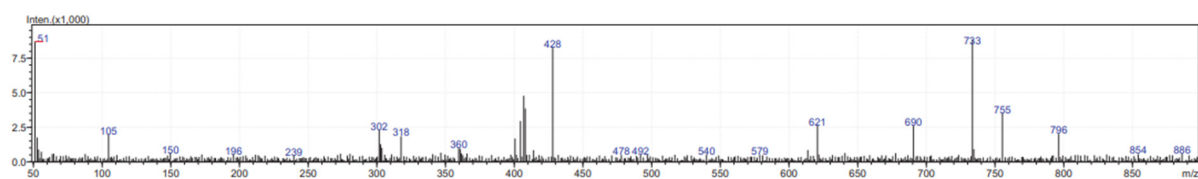


Figure S3. Mass spectrum of the racemate 3.(R,S).

Purity: 99.5% (HPLC); m.p.: 39.1°C.