

Self-assembly of Pseudorotaxane Films with Thermally Reversible Crystal Phases and Optical Properties

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Supplementary Information

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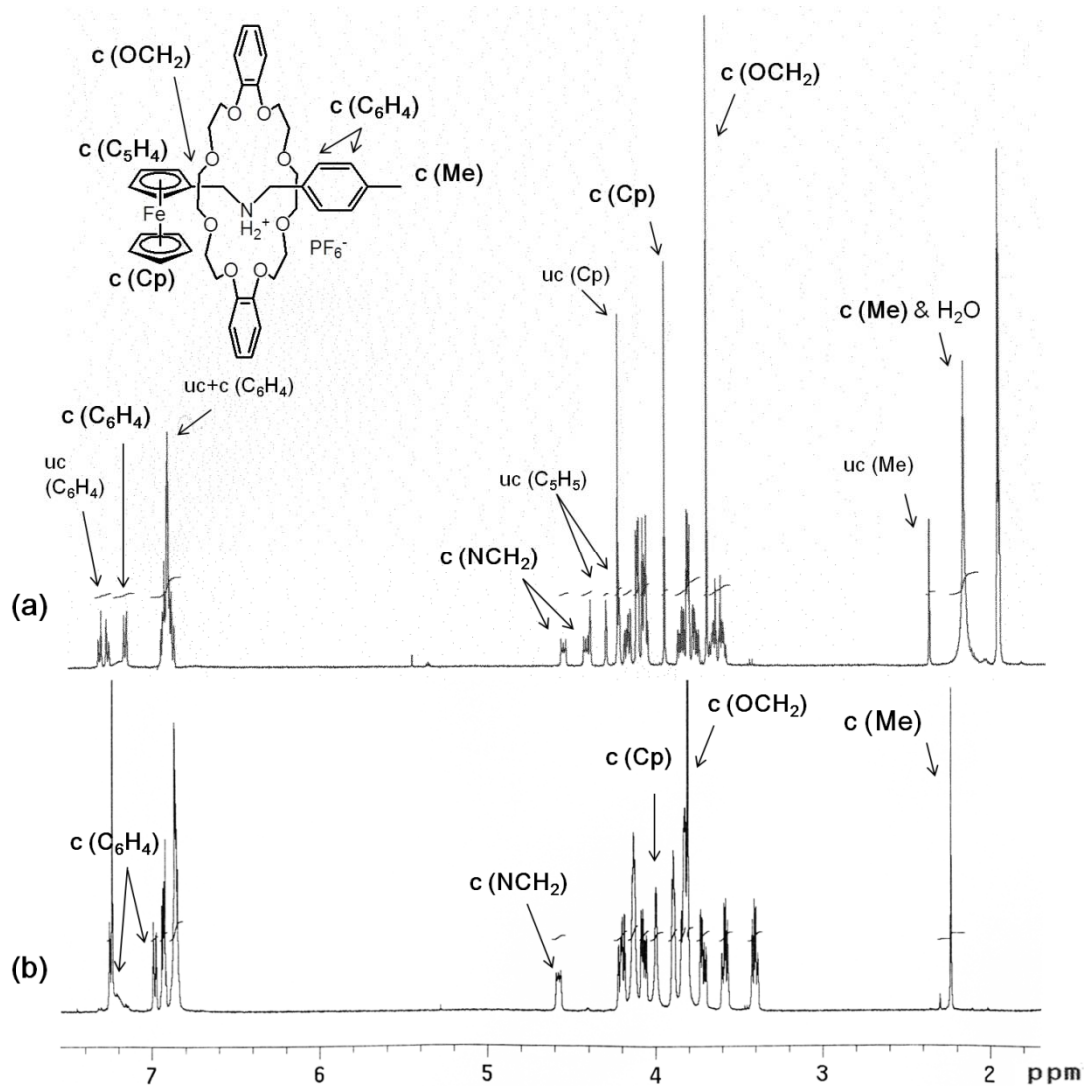


Figure S1. ^1H NMR spectra (500 MHz) of $[\text{F}\cdot\text{DB24C8}](\text{PF}_6)$ in (a) CD_3CN and (b) CDCl_3 . Pseudorotaxane in an *d*-acetonitrile solution shows a mixture of complex and uncomplex. In contrast, pseudorotaxane in a *d*-chloroform solution exhibits high complex ratio.

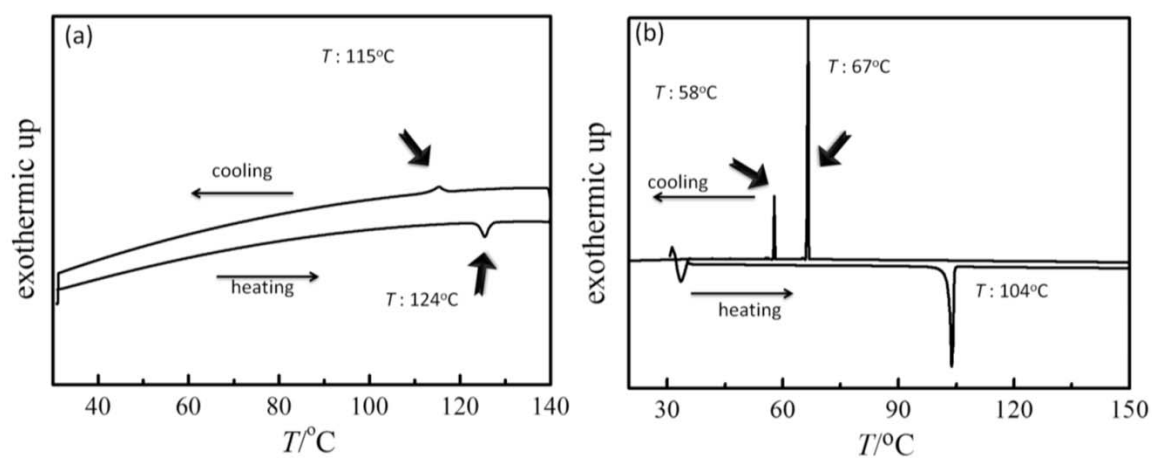


Figure S2. DSC heating and cooling scans of (a) the powder sample scratched from a solution cast-film and (b) DB24C8. Scan rate at 5°C min^{-1} .

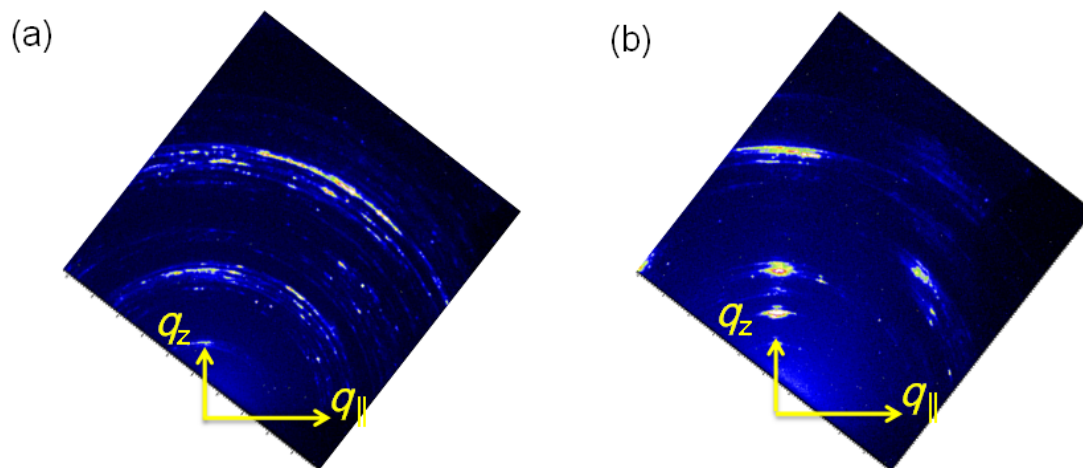


Figure S3. 2D GIWAXS patterns of (a) thicker film ($6 \pm 1 \mu\text{m}$) and (b) thinner film ($3 \pm 2 \mu\text{m}$) of $[\text{F} \cdot \text{DB24C8}](\text{PF}_6)$.