

Supporting Information

Mechano-induced photoluminescence colour change in an alkyltolane-terminated cyanostilbene

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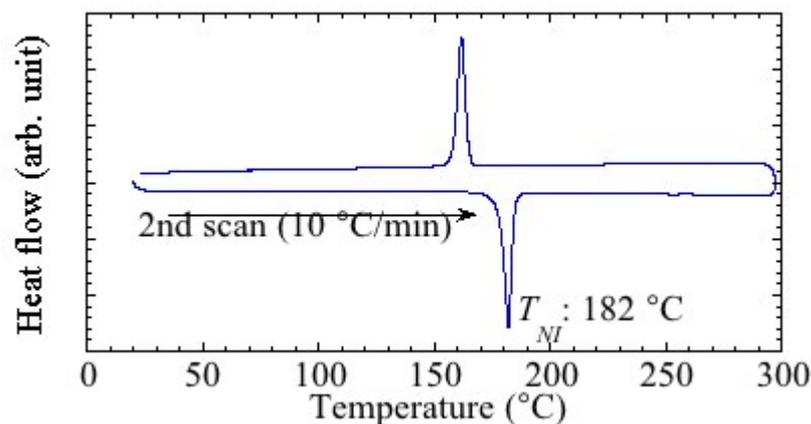


Figure S1. Differential scanning calorimetry thermogram of crystalline **2ECN**.

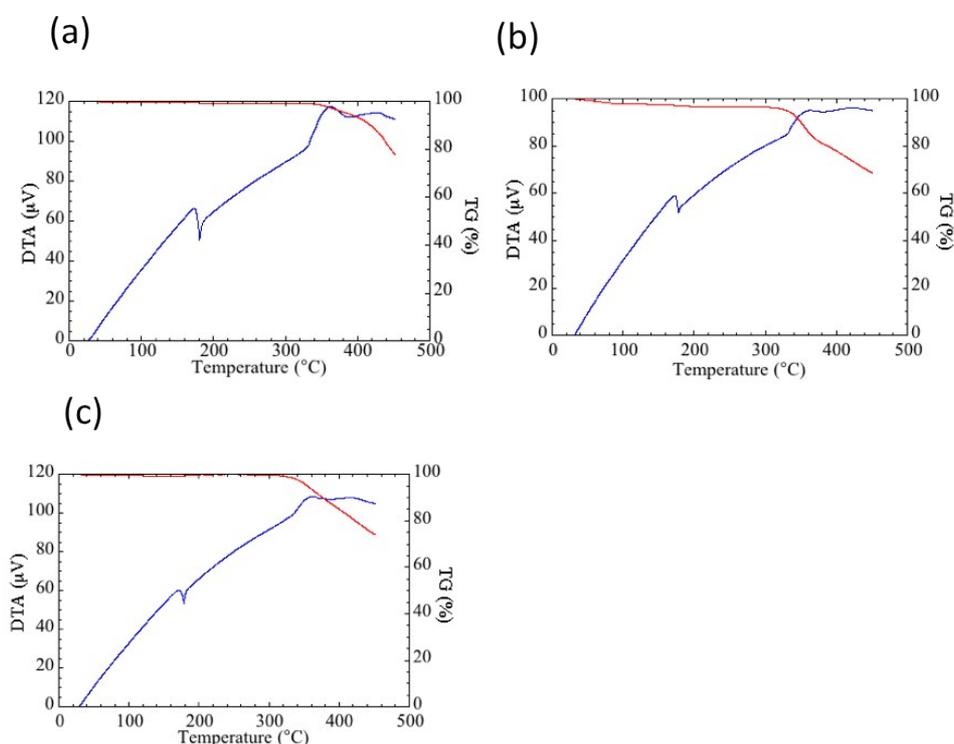


Figure S2. Thermogravimetry (TG)/differential thermal analysis (DTA) curves of **2ECN** recorded for (a) crystals, (b) blue-shifted powder, and (c) yellow-shifted powder.

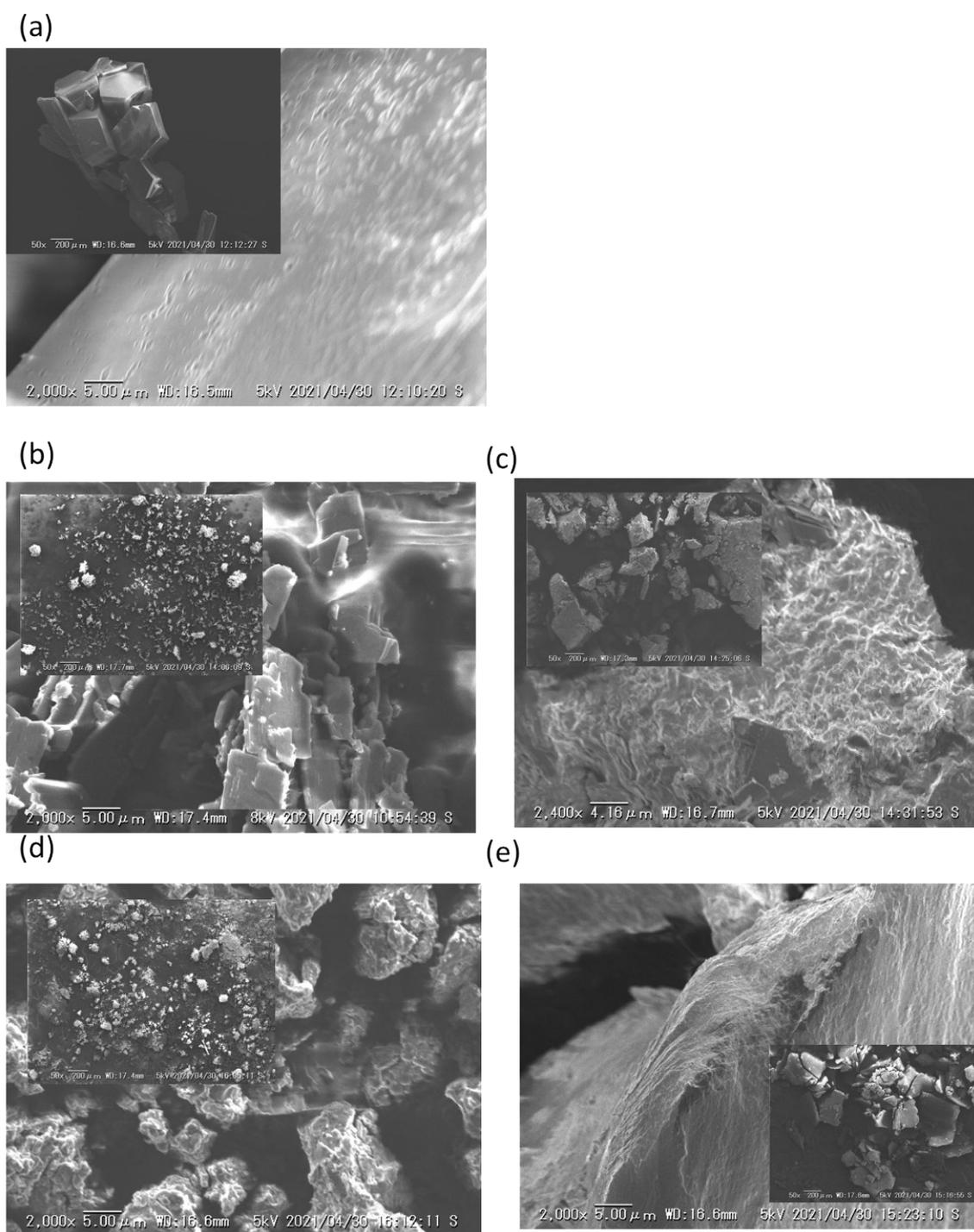


Figure S3. High-magnification (SEM images of **2ECN** in the forms of (a) crystals, (b) blue-shifted powder before grinding, (c) yellow-shifted powder before grinding, (d) blue-shifted powder after grinding, (e) yellow-shifted powder after grinding. Insets present low-magnification images.

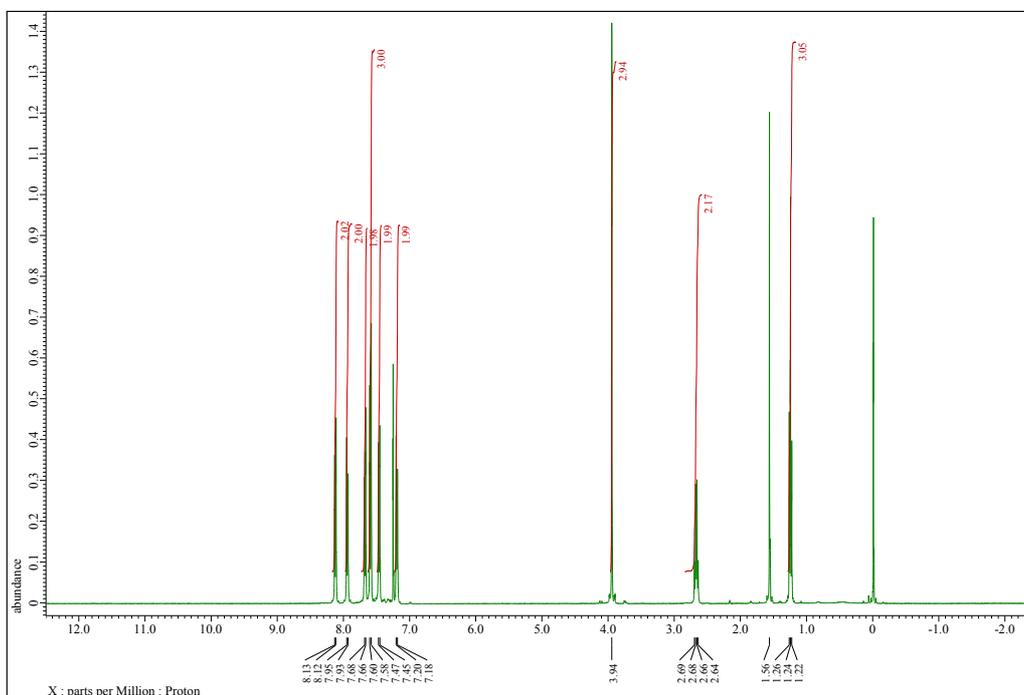


Figure S4. ^1H NMR spectrum of **2**.

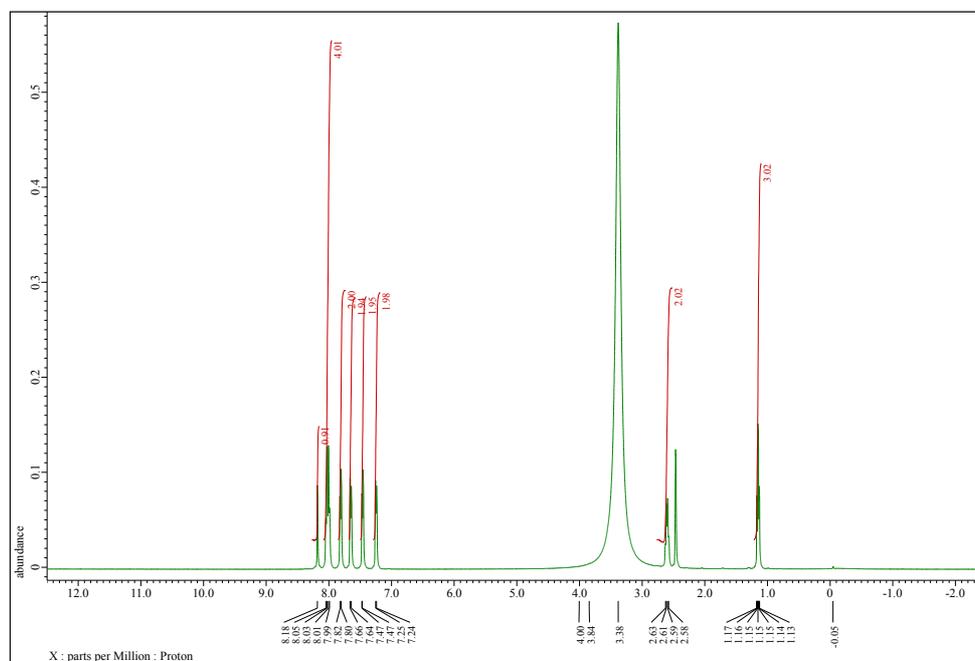


Figure S5. ^1H NMR spectrum of **3**.

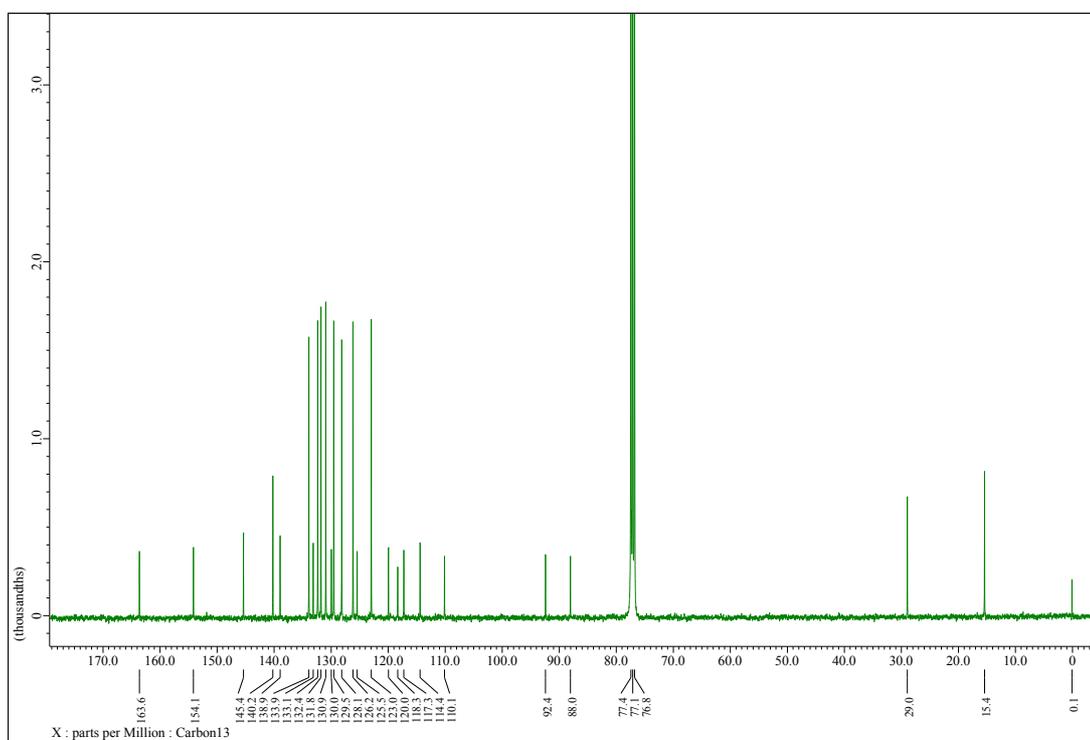
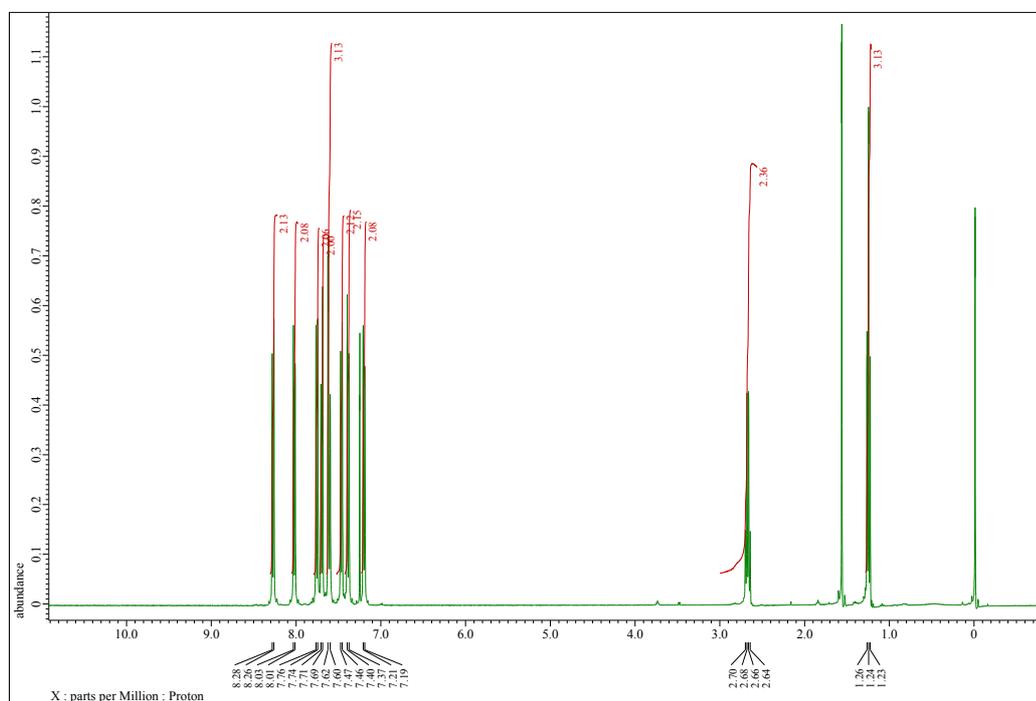


Figure S6. ^1H (top) and ^{13}C (bottom) NMR spectra of 2ECN.