

Supporting Information

Design and construction of thermotropic liquid crystal material based on high-nuclear transition-metal cluster-containing polyoxometalate

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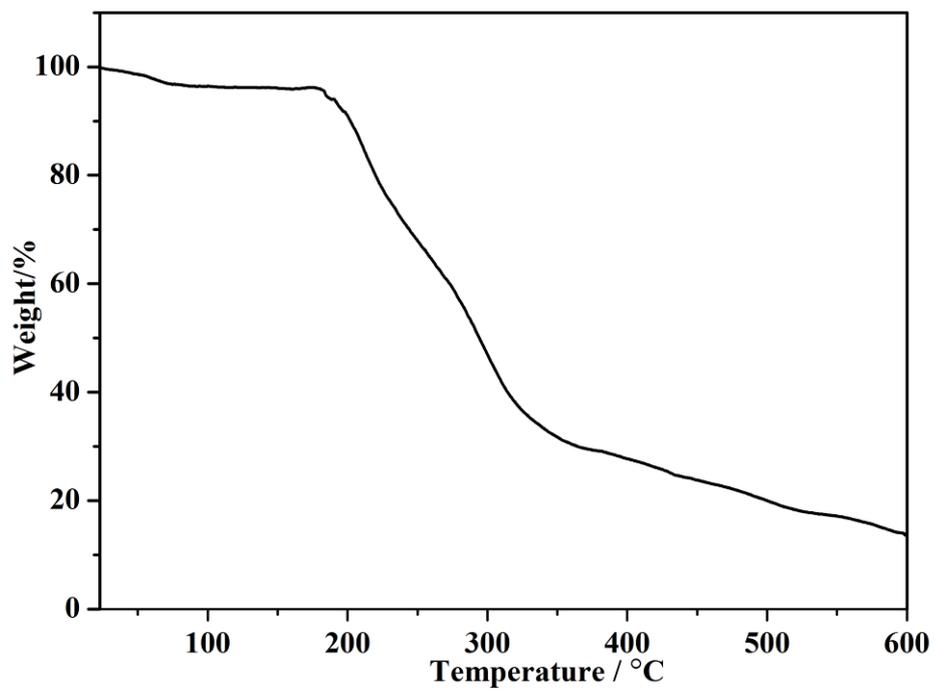


Fig. S1. TGA curve of SEP-1.

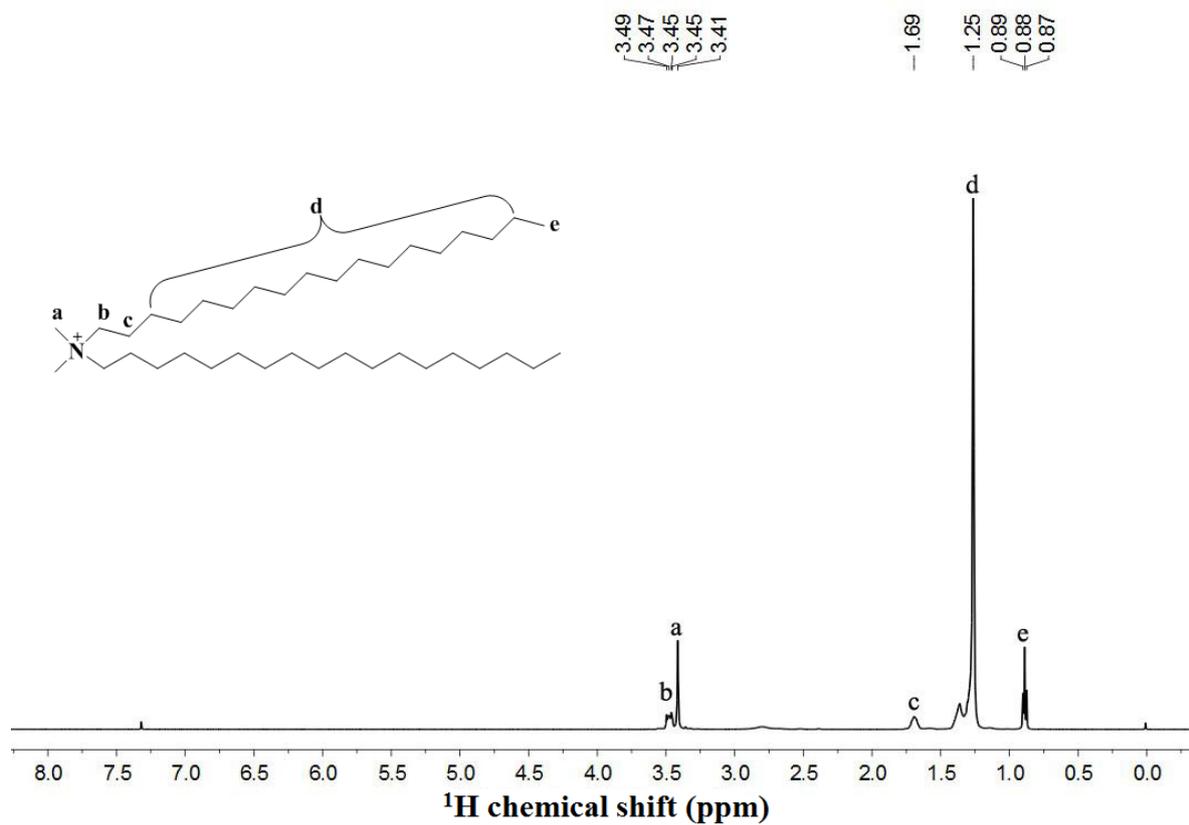


Fig. S2. ^1H NMR spectrum of DODACl.

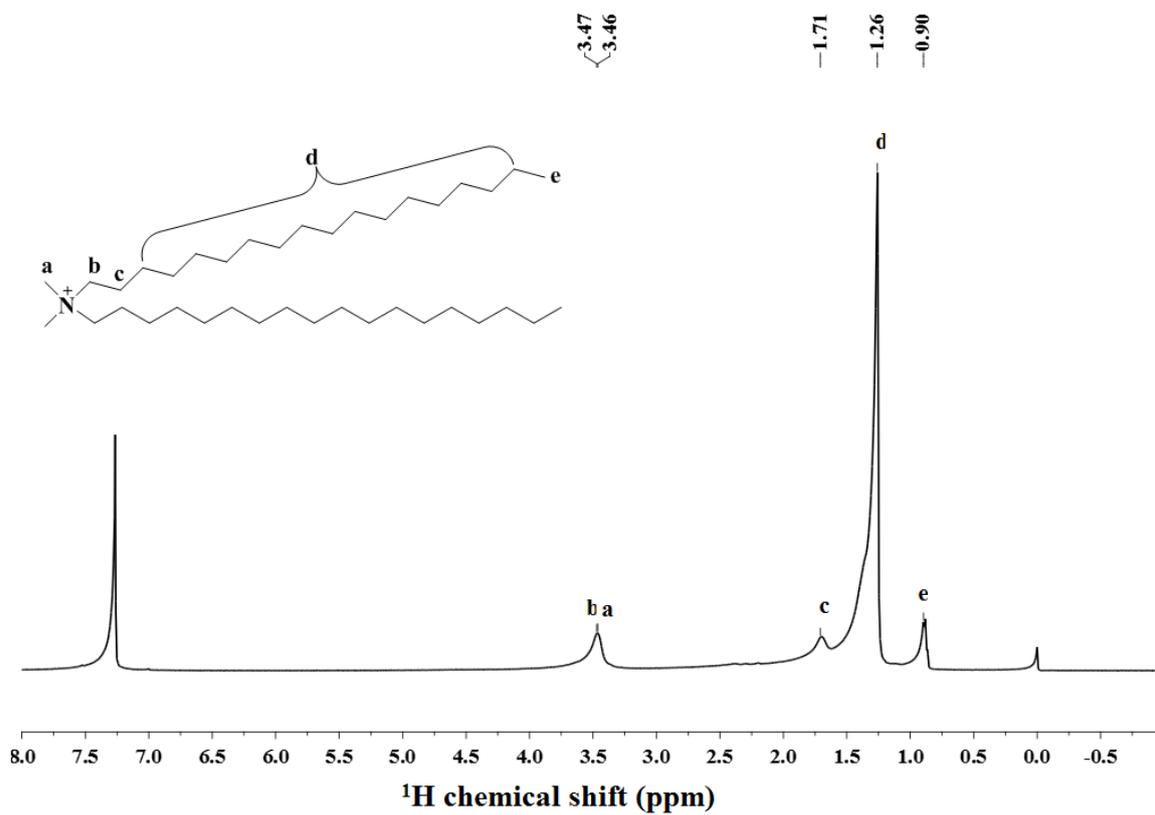


Fig. S3. ^1H NMR spectrum of SEP-1.

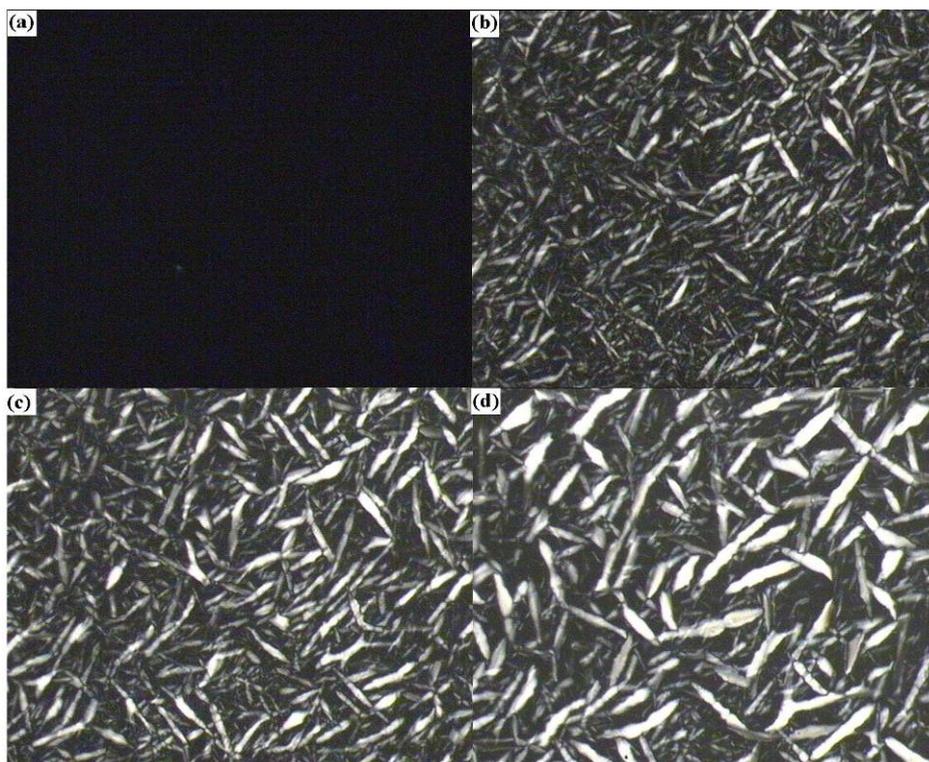


Fig. S4. The optical images of **SEP-1** at (a) 125 °C, (b) 110°C, (c) 106 °C and (d) 104 °C, respectively, during the cooling process (100×).

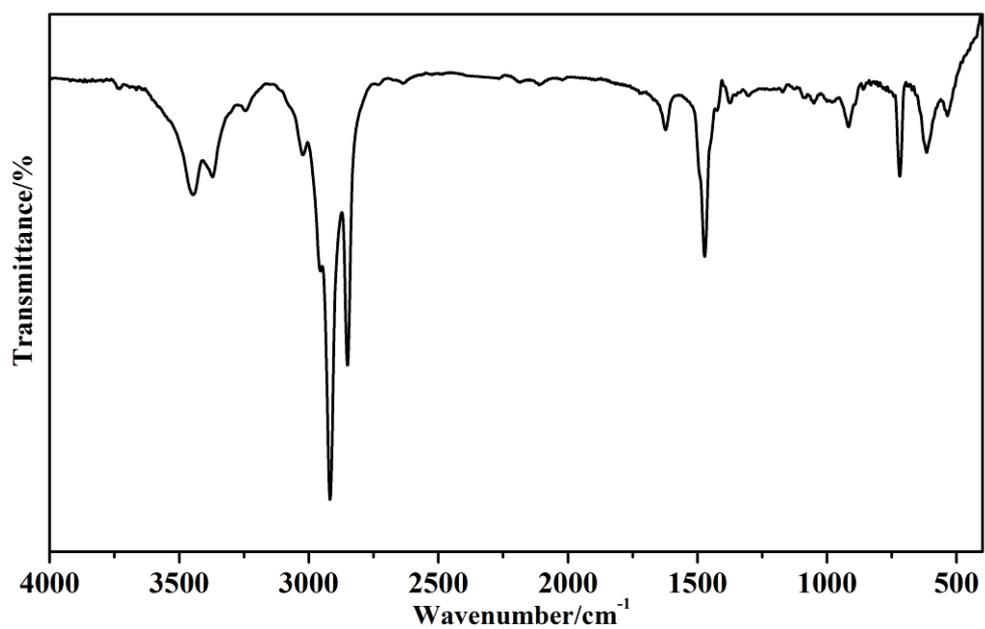


Fig. S5. IR spectrum of DODA.