## **Supporting Information**

## **Chiral Supermolecular Liquid Crystalline Tetrapedes**

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Figure 1. POM micrographs of the tetramers G1 and M1 exhibiting typical fan-shaped texture of SmA mesophases: (a) G1 at 80 °C and (b) M1 at 90.5 °C



Figure 2. Polarizing optical microscopy of the molecular tetrapede G2 exhibiting chiral nematic textures (a) annealed overnight 60 °C (b) cooled from isotropic to 63.6 °C



Figure 3. Polarizing optical microscopy of the molecular tetrapede M2 exhibiting chiral nematic texture (a) slow cooling from isotropic to 50 °C then sheared (b) fast cooling from isotropic to RT





COSY (CDCl<sub>3</sub>) G1











Cosy (CDCl<sub>3</sub>) G2









