

Development of novel bistolane-based liquid crystalline molecules with an alkylsulfanyl group for highly birefringent materials

Yuki Arakawa,^{a,b} Sungmin Kang,^{*,a} Hideto Tsuji,^b Junji Watanabe^a and Gen-ichi Konishi^{*,a}

^a*Department of Organic and Polymeric Materials, Tokyo Institute of Technology, Tokyo 152-8552, Japan*

^b*Department of Environmental and Life Sciences, Graduate School of Engineering, Toyohashi University of Technology, Tempaku-cho, Toyohashi, Aichi 441-8580, Japan*

*Corresponding author; e-mail: skang@polymer.titech.ac.jp, konishi.g.aa@m.titech.ac.jp; fax: +81-3-5734-2321

DSC measurement

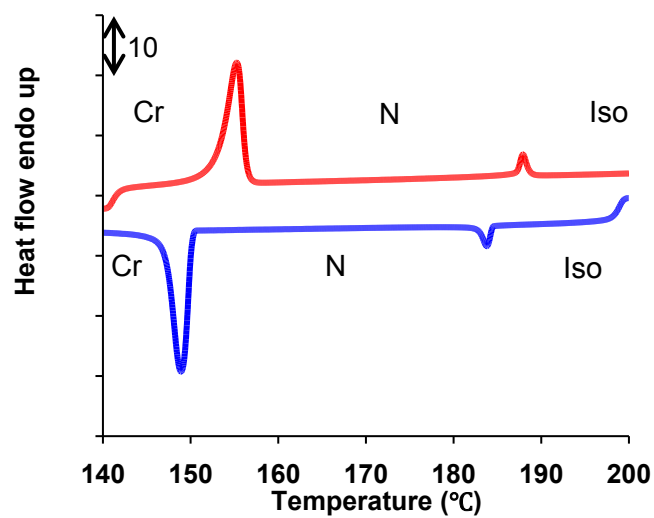


Fig. S1. DSC curve of compound 1.

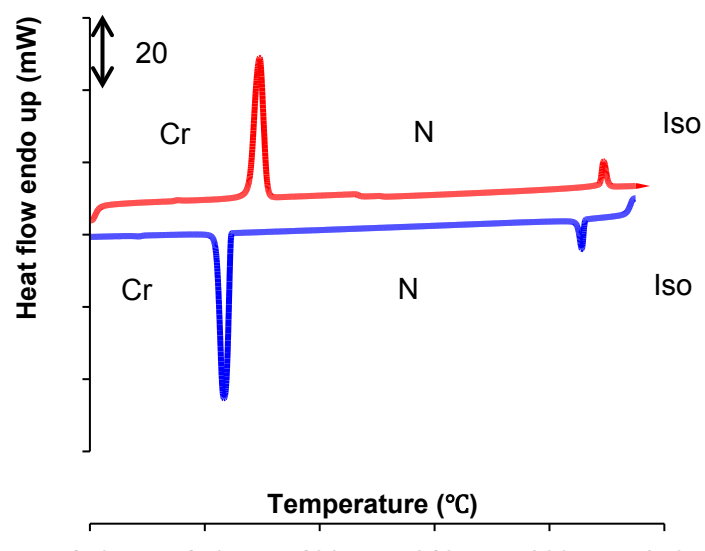


Fig. S2. DSC curve of compound 2.

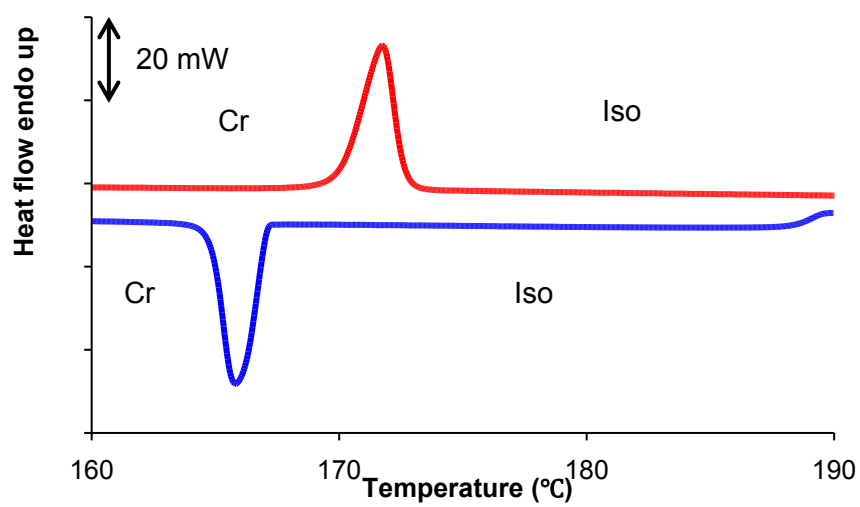


Fig. S3. DSC curve of compound 3.

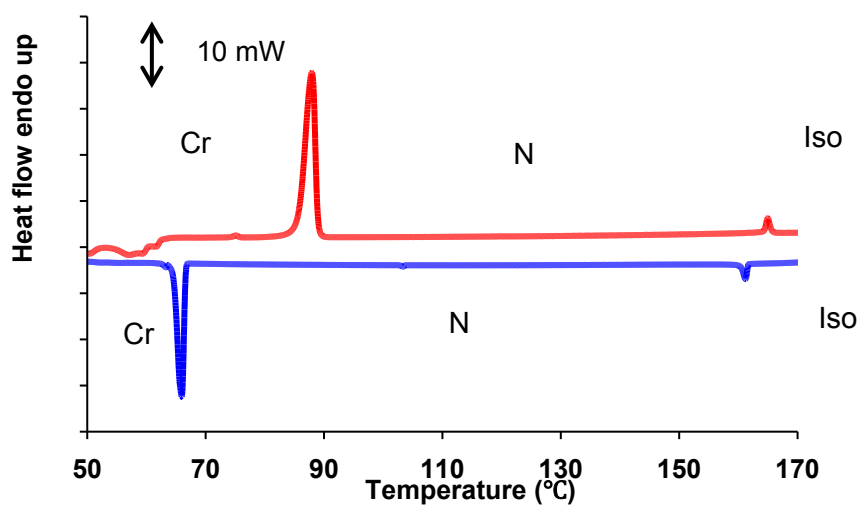


Fig. S4. DSC curve of compound 4.

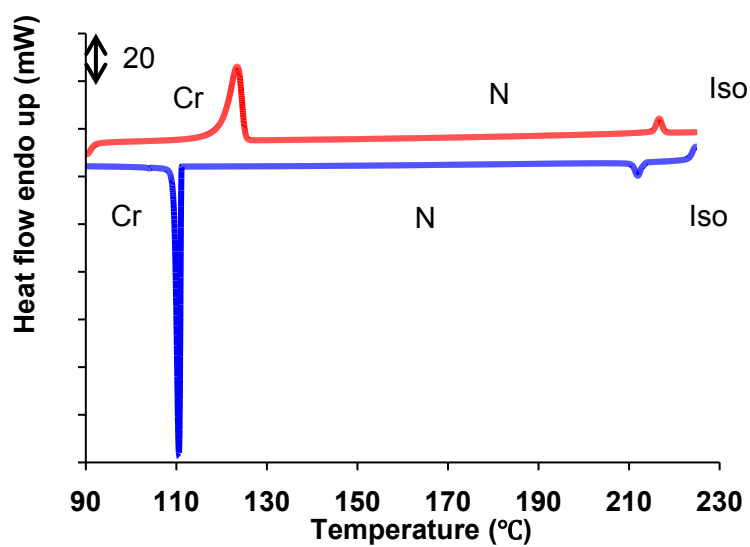


Fig. S5. DSC curve of compound **5**.

POM images

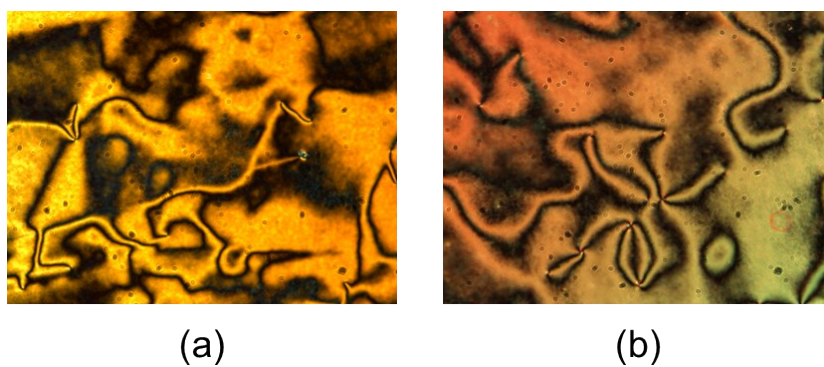


Fig. S6. POM images of (a) compound **1** at 163°C and compound **4** at 100°C.

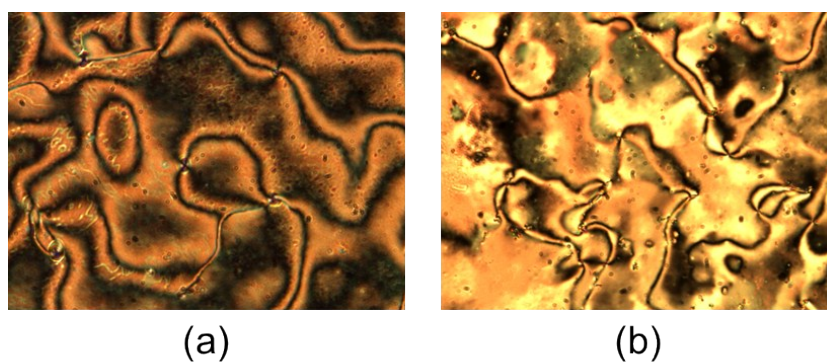


Fig. S7. POM images of (a) compound **2** at 175°C and (b) compound **5** at 200°C.