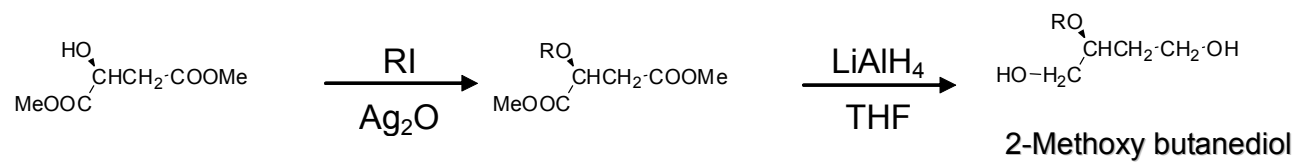


Supporting Information

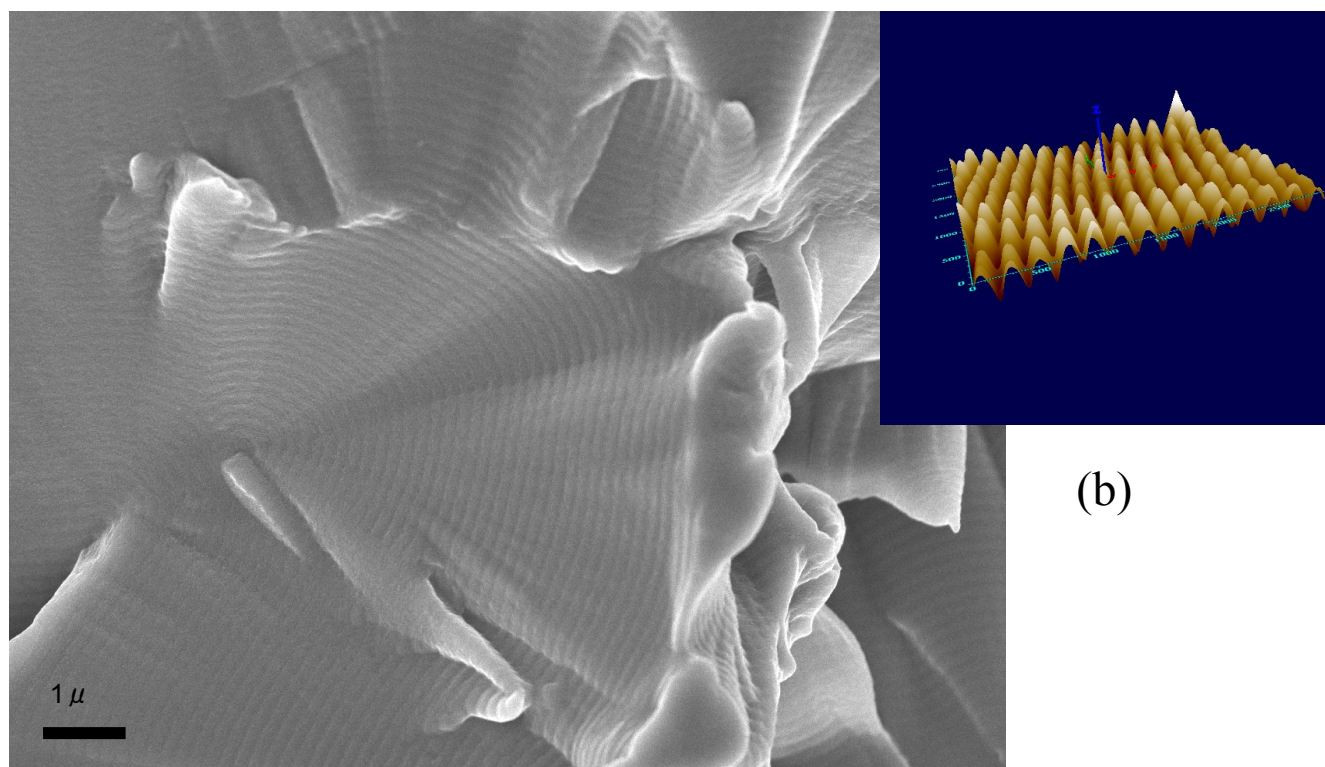
Regular undulation and polarization modulation on film surface of homogeneously aligned chiral S_C* polymer

Chunying Zhang, Ryohei Ishige, Ryou Yasumatsu, Sungmin Kang*, Masatoshi Tokita and Junji Watanabe



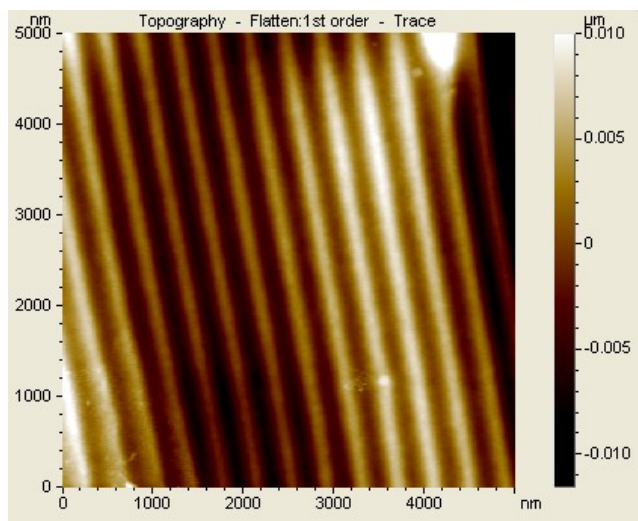
5

Scheme S1 Synthetic route of 2-methoxy butanediol.

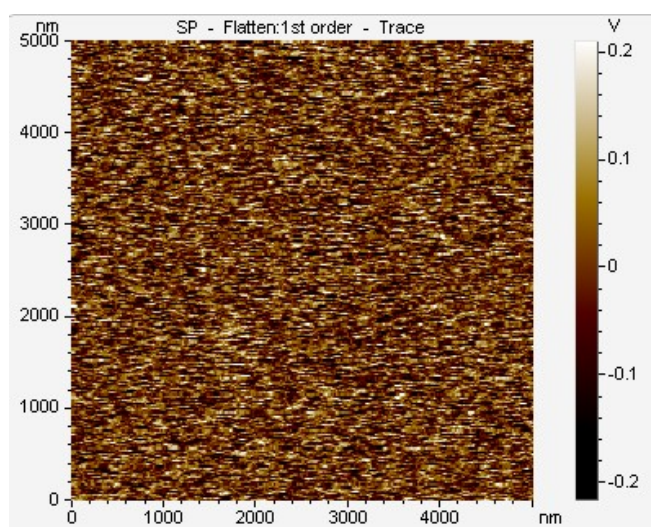


(a)

Fig.S1 (a) FE-SEM images observed on the fractured surface from the glassy S_C^* phase of P-40(HM)/60(S-MOB) and (b) its 3D view of the AFM image.



(a) AFM image



(b) KFM image

Fig.S2 AFM and KFM images observed for the PVA film imprinting the surface undulation of chiral S_C^* in P-40(HM)/60(S-MB). Here, the PVA solution in water was cast onto the chiral S_C^* solid film and after the water evaporated, the PVA film was removed.