Electronic Supplementary Material (ESI) for Soft Matter

Influence of applied electric fields on the positive magneto-LC effects observed in the ferroelectric liquid crystalline phase of a chiral nitroxide radical compound

Katsuaki Suzuki, Yoshiaki Uchida, Rui Tamura,* Yohei Noda, Naohiko Ikuma, Satoshi Shimono and Jun Yamauchi

Supporting Information

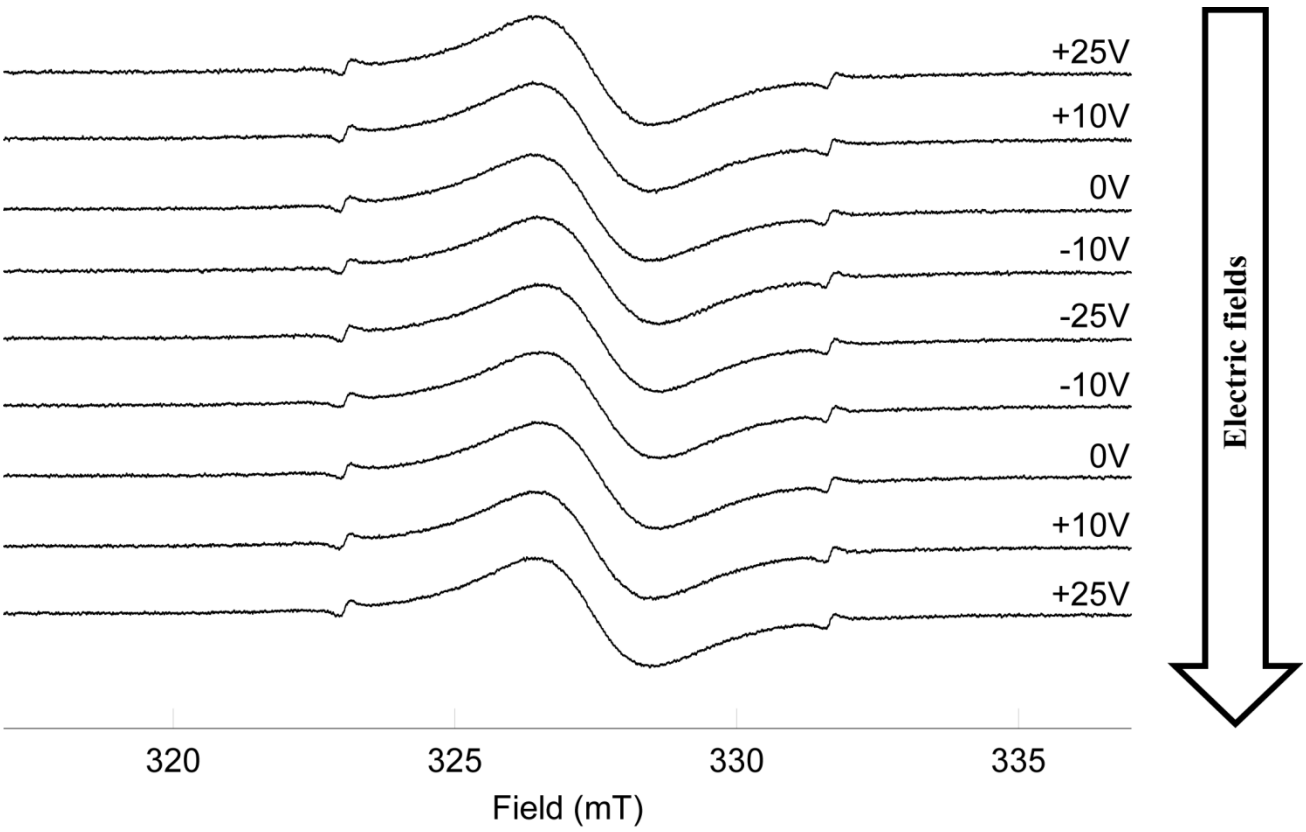

Figure S1. Selected EPR spectra of (2*S*,5*S*)-**1** measured at 75°C by application of electric fields, from +25V to –25V and then from –25V to +25V.

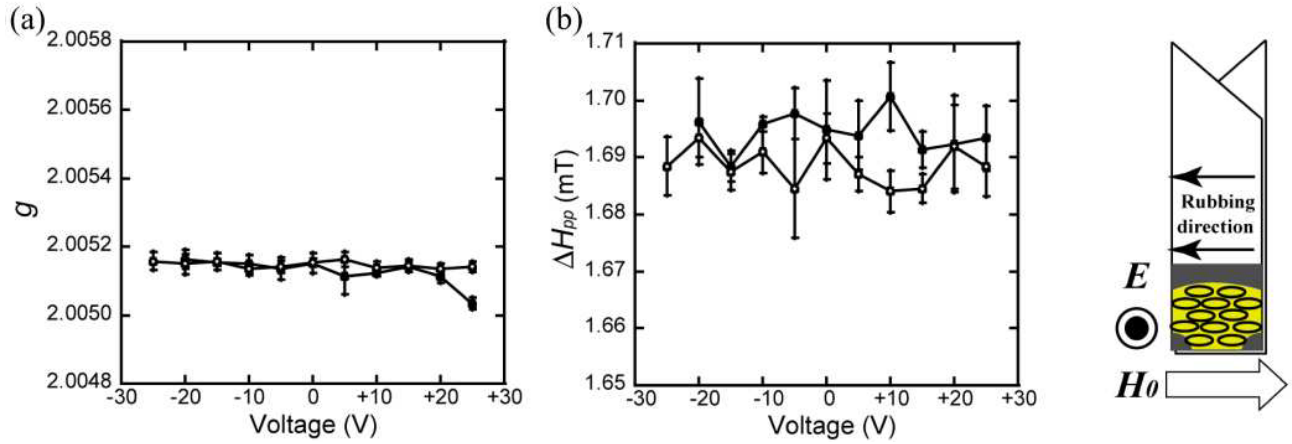

Figure S2. Electric field dependence of (a) g and (b) ΔH_{pp} values of the achiral smectic C (SmC) phase of (±)-**1** confined in a thin rubbed sandwich cell (4 μm-thickness) at 80°C by EPR spectroscopy; the magnetic field was applied perpendicular to the electric field and parallel to the rubbing direction. Open and filled circles represent the application of electric fields from +25V to –25V and from –25V to +25V, respectively.