Supporting Information

Room-temperature ABX₃-typed Molecular Ferroelectric: [C₅H₉-NH₃]CdCl₃

Yi Zhang, Heng-Yun Ye, Wen Zhang and Ren-Gen Xiong*

Ordered Matter Science Research Center, Southeast University, Nanjing, 211189, PRC

* email: xiongrg@seu.edu.cn.

Fig. S1 IR spectrum of 1 indicating there is strong peak of R-NH₃⁺ group at about 3200cm⁻¹.

Fig. S2 The matching status of XRD diffraction pattern of bulk sample and single crystal of 1, showing that the sample we obtained is pure.
**Fig. S3** The temperature-dependent dielectric constants measured along $b$- and $c$-axis as well as powdered mode.

**Fig. S4** The reciprocal dielectric susceptibility ($\varepsilon'$) as a function of temperature showing that below $T_c$ it is linear and above $T_c$ in very narrow range is also linear.

**Fig. S5** The normalization of the temperature-dependent $P_s$ and SHG effect, showing that they are almost overlapped.