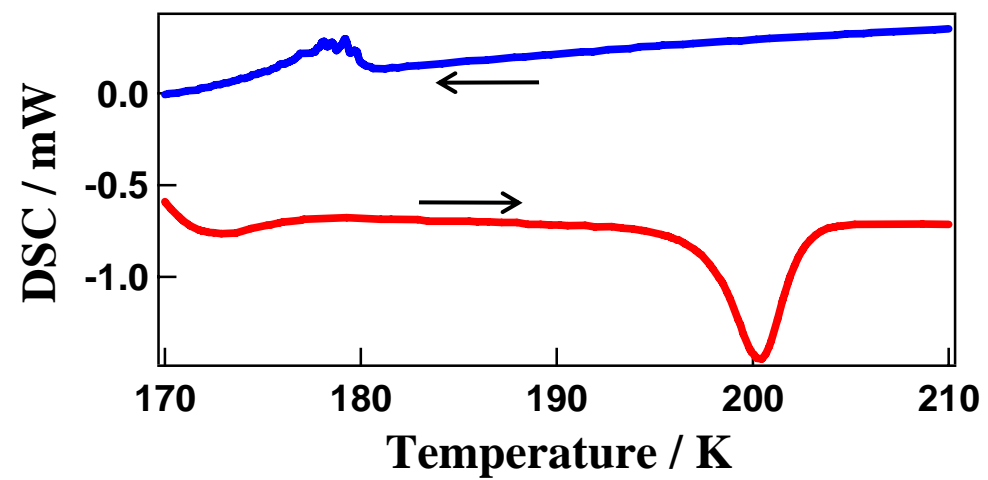


**Figure S1 ESR spectra for 1 at 10 K and 200 K.**



**Figure S2 DSC for 1 at 10 K min<sup>-1</sup>.**

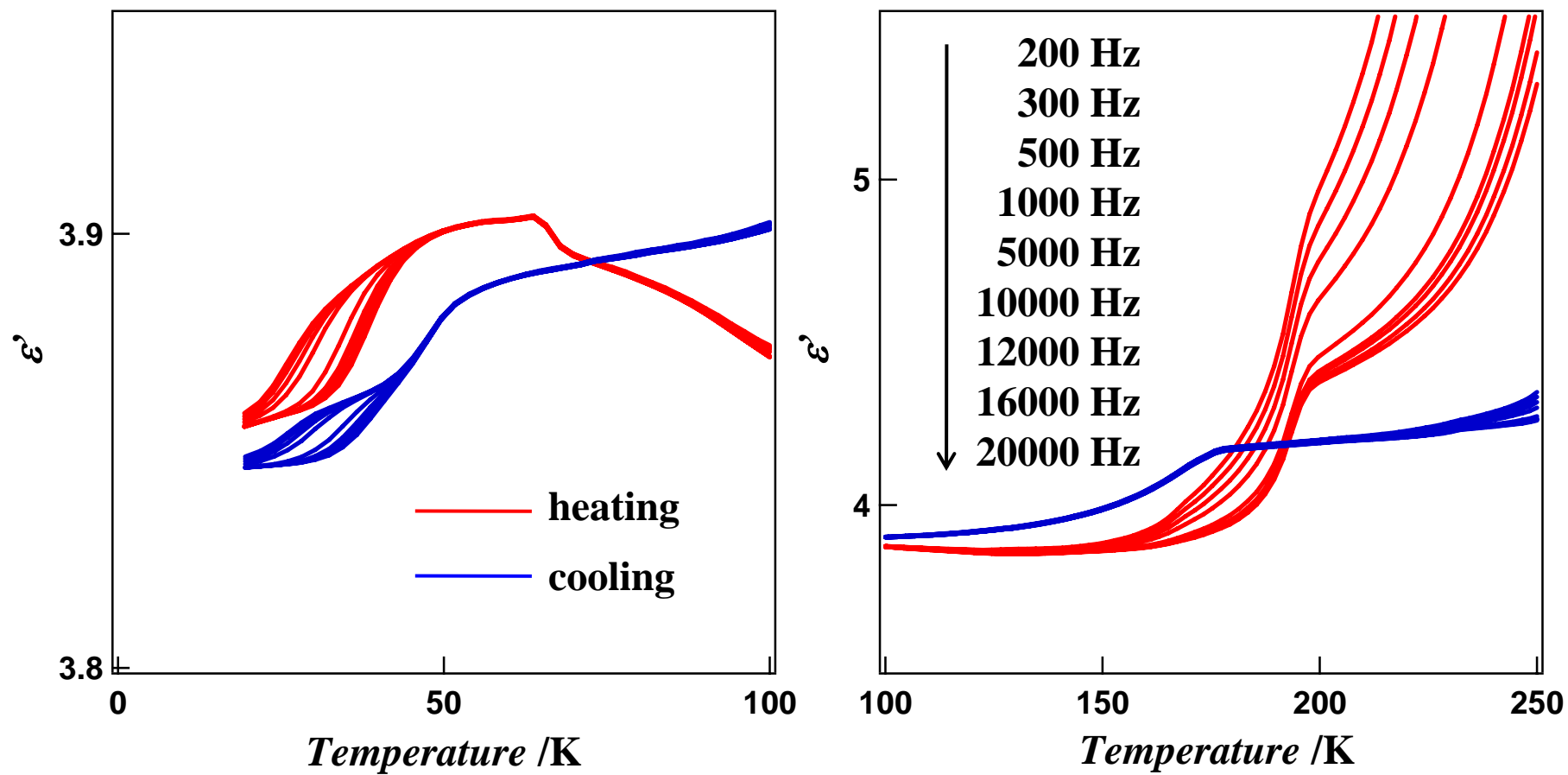


Figure S3 Temperature dependence of dielectric constant.

**Table S1. Selected bond angles for 1.**

	LS @ 10 K	HS1 @ 190 K	HS2 @ 190 K
N1-Co-N2	78.17(15)	76.18(13)	77.75(13)
N1-Co-N3	156.47(13)	152.24(13)	156.05(13)
N1-Co-N4	97.25(15)	99.05(14)	93.75(12)
N1-Co-N5	106.02(15)	109.62(13)	106.13(13)
N1-Co-N6	88.75(15)	89.90(14)	92.38(13)
N2-Co-N3	78.67(15)	76.74(13)	78.29(12)
N2-Co-N4	97.67(13)	99.72(14)	102.95(13)
N2-Co-N5	175.77(18)	173.70(14)	175.77(13)
N2-Co-N6	99.99(14)	106.37(15)	99.57(13)
N3-Co-N4	89.92(15)	91.37(15)	91.54(12)
N3-Co-N5	97.19(15)	97.73(14)	97.81(12)
N3-Co-N6	91.18(15)	91.94(14)	91.61(13)
N4-Co-N5	81.34(14)	77.22(14)	78.66(13)
N4-Co-N6	162.17(13)	153.77(13)	157.44(14)
N5-Co-N6	80.87(14)	76.55(15)	78.78(13)