

ESI

Observation of a magnetic phase transition but absence of electrical response in a novel new two-dimensional mixed-valence nickel-bis-dithiolene molecular crystal

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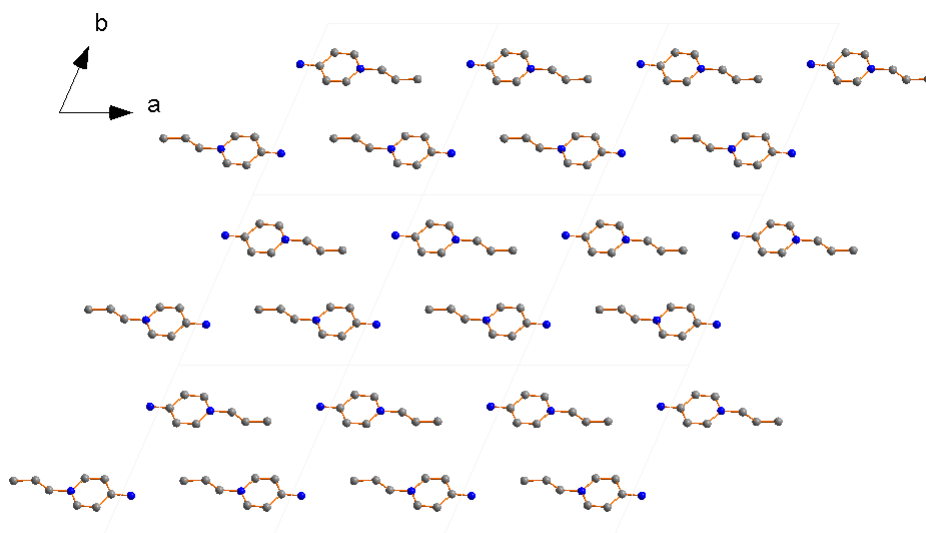


Figure S1 The stacking patterns of cations of **1** (hydrogen atoms are omitted for clarity).

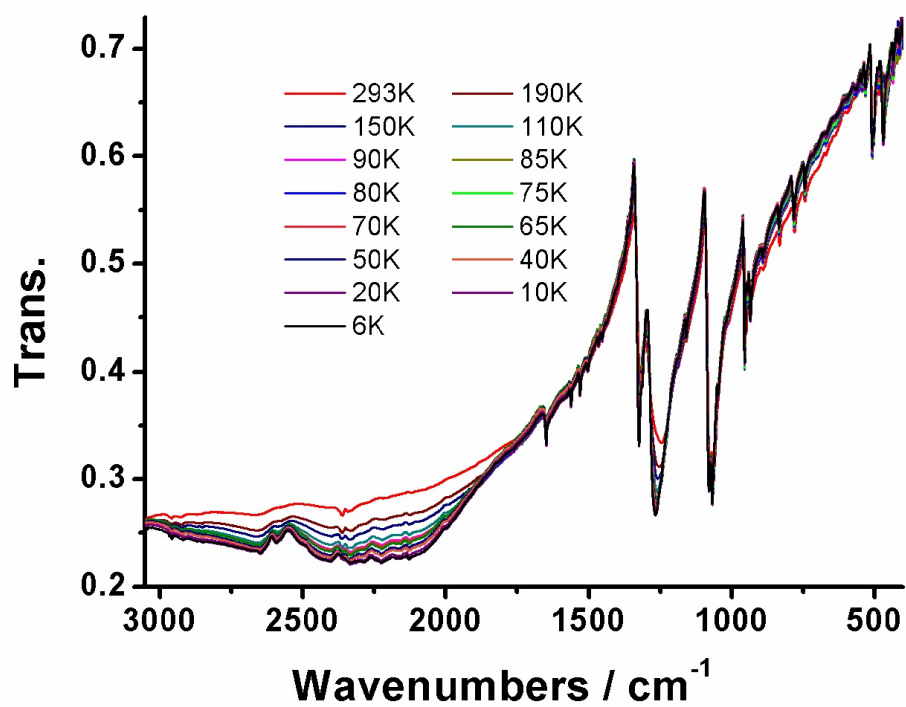


Figure S2 Temperature dependent IR spectra of **1**.

Figure S3 PXRD patterns of **1** at room temperature.

Figure S4 Thermogravimetric (red) and DSC (blue) curves of **1**.