Supporting materials

Solvent-modulated metamagnetism in a Fe(II) system exhibiting a two-step field-induced magnetic transition

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Fig. S1 Ball-and-stick representation of the packing pattern for 1·Fe.

Fig. S2 TG plots for 1·Fe(black) and 1·Fe'(red) measured in flowing N₂.
Fig. S3 IR spectra recorded for the transformation from $\text{1} \cdot \text{Fe}$ (black) to $\text{1} \cdot \text{Fe}'$ (red) and back to $\text{1} \cdot \text{Fe}'$-$\text{Re}$ (olive).

Fig. S4 Plot of $\chi_m T$ vs. $T$ for $\text{1} \cdot \text{Fe}'$-$\text{Re}$ at 1 kOe. Inset: the blowup of the $\chi_m T$ vs. $T$ curves at low-temperature region under different external fields.