## **Supporting Information**



**Fig 7.** The molecular structure of 7, with atom labels and 30% probability displacement ellipsoids for non-H atoms.



Fig.8. The atomic labeling diagram of 9(a) and the packing diagram of 9.



Fig.9. The excitation spectrum (a) and emission spectrum of the solid sample of 5 (b).

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**Fig. 10** The magnetic moment  $\chi_{\rm M}$ T versus *T* of **4** in the temperature range of 2-300K.

The  $\chi_{M}^{-1}$  versus T plot in the range from 300 to 50 K. The continuous red line represent the fit to

the theoretical models