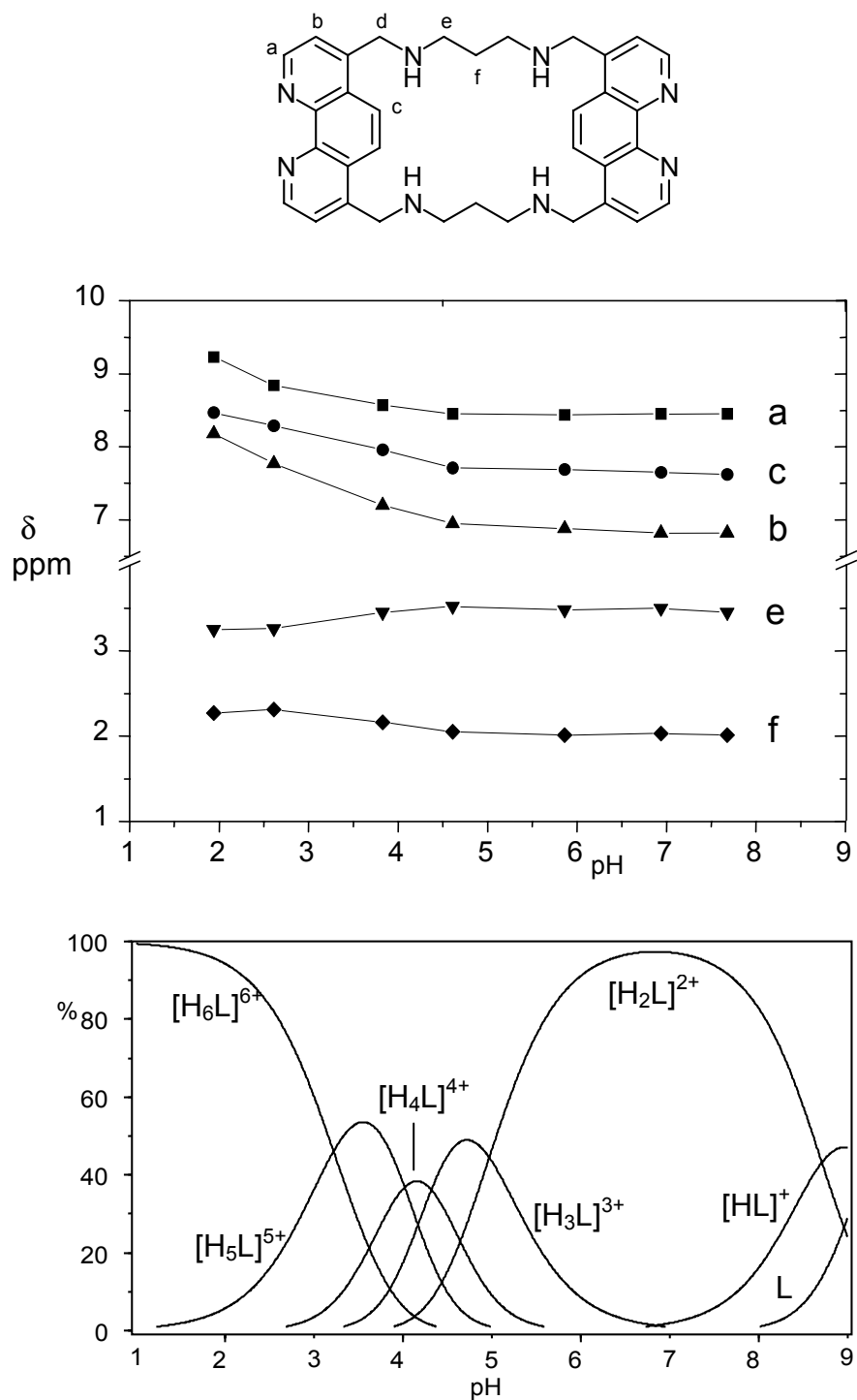


ELECTRONIC SUPPLEMENTARY INFORMATION  
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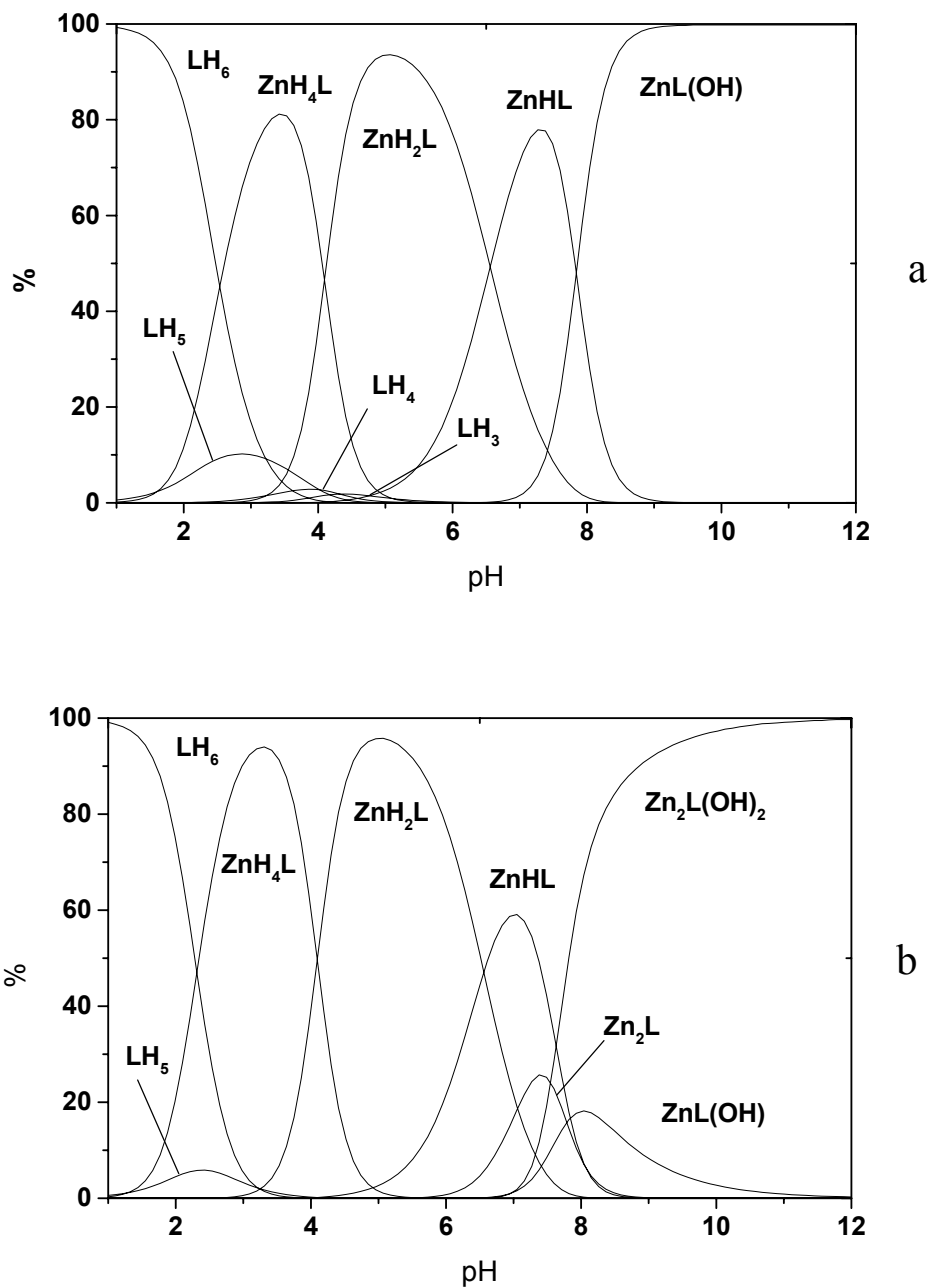
**Binding of H<sup>+</sup> and Zn(II) ions with a new fluorescent macrocyclic  
phenanthrolinephane**

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**Figure S1.** pH dependence of the chemical shifts of  $^1H$  NMR signals of L and relevant distribution diagram of the species formed.  $[L] = 2 \times 10^{-3} M$ .



**Figure S2.** Distribution diagrams of the species formed in the Zn(II)/L complex system for 1: 1 and 1:2 L:Zn(II) molar ratios.  $[L] = 1 \times 10^{-3}$  M. Charges omitted.