

SUPPLEMENTARY MATERIAL

Hydrogen-Bonded Frameworks of Mercury(II) Complexes with Pyridinedicarboxylic Acids

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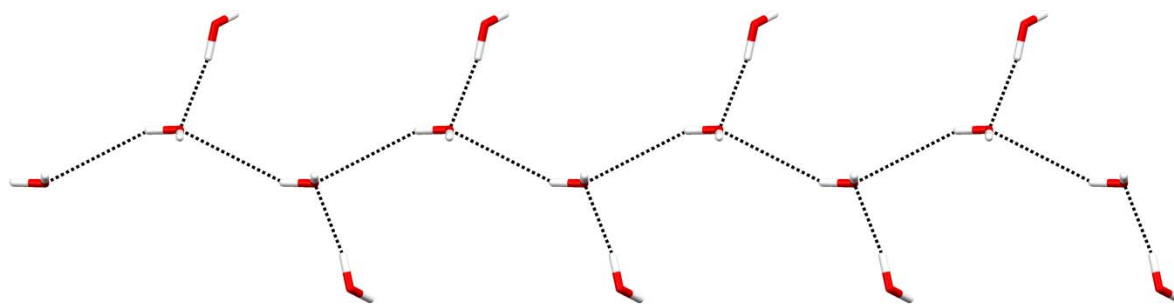


Fig. S1. A view of the branched chain-like hydrogen-bonded cluster of water molecules within the framework of **2**. Hydrogen bond chain motifs $C^3_3(8)$ and $C^2_2(4)$ are shown (hydrogen bonds represented by the dotted lines).

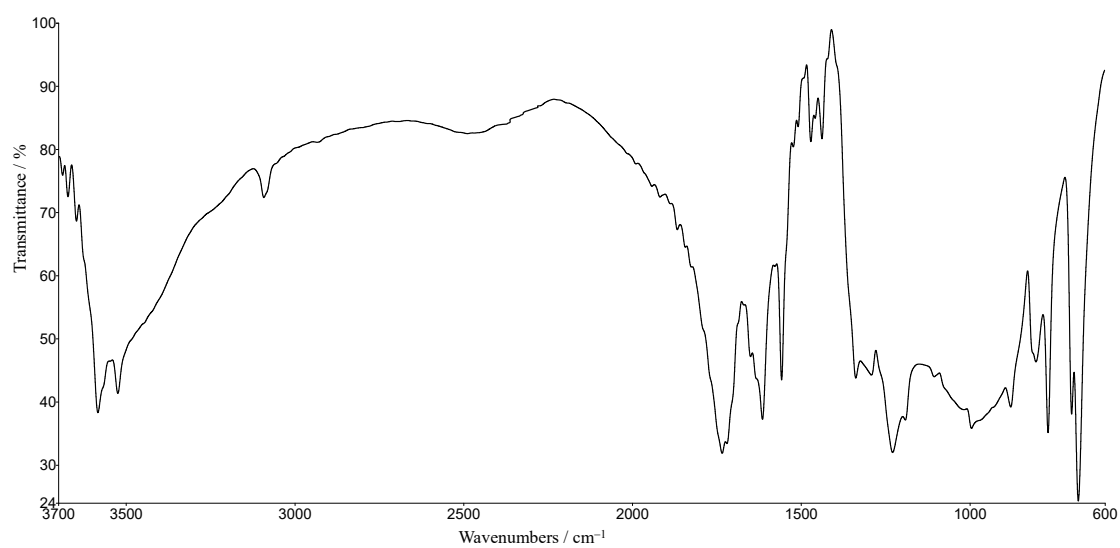


Fig. S2. IR spectrum of $[\text{HgCl}(2,4\text{-pydcH}_2)(2,4\text{-pydcH})]\cdot 2\text{H}_2\text{O}$ (**1**)

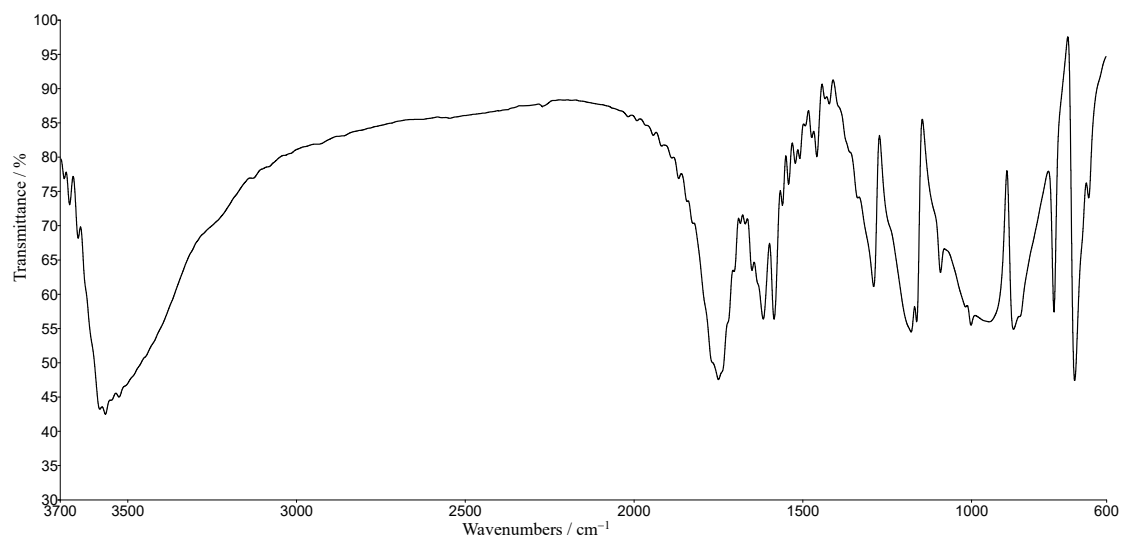


Fig. S3. IR spectrum of $[\text{HgCl}(2,6\text{-pydcH})(\text{H}_2\text{O})]\cdot 3\text{H}_2\text{O}$ (**2**)

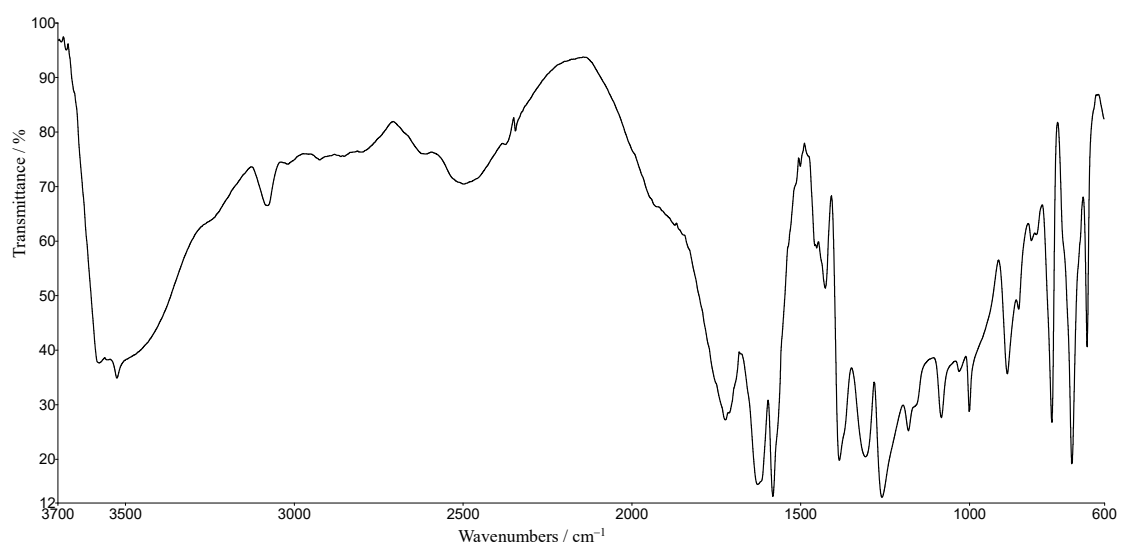


Fig. S4. IR spectrum of $[\text{Hg}(2,6\text{-pydcH})_2]\cdot 2\text{H}_2\text{O}$ (**3**)

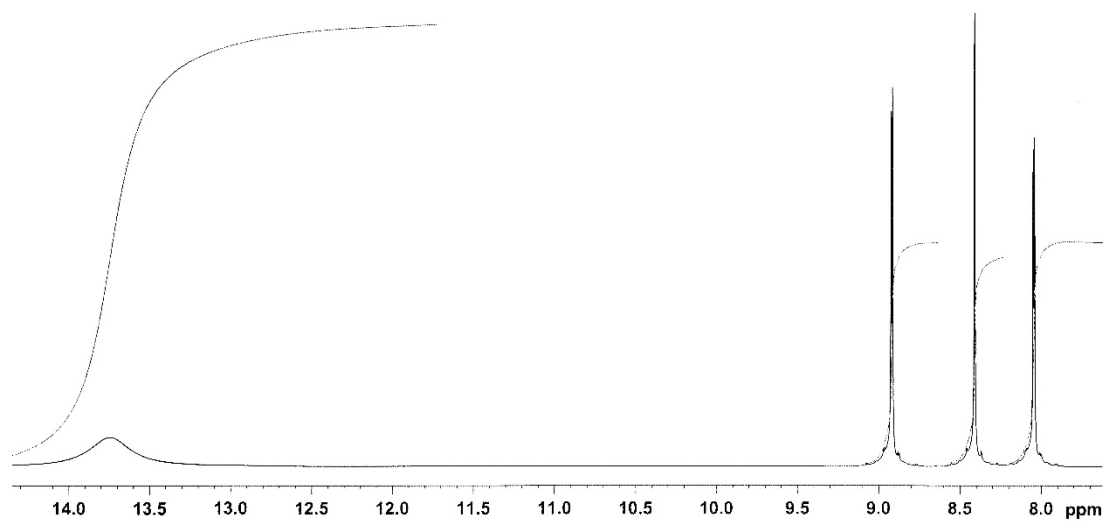


Fig. S5. ^1H NMR spectrum of 2,4-pydcH₂

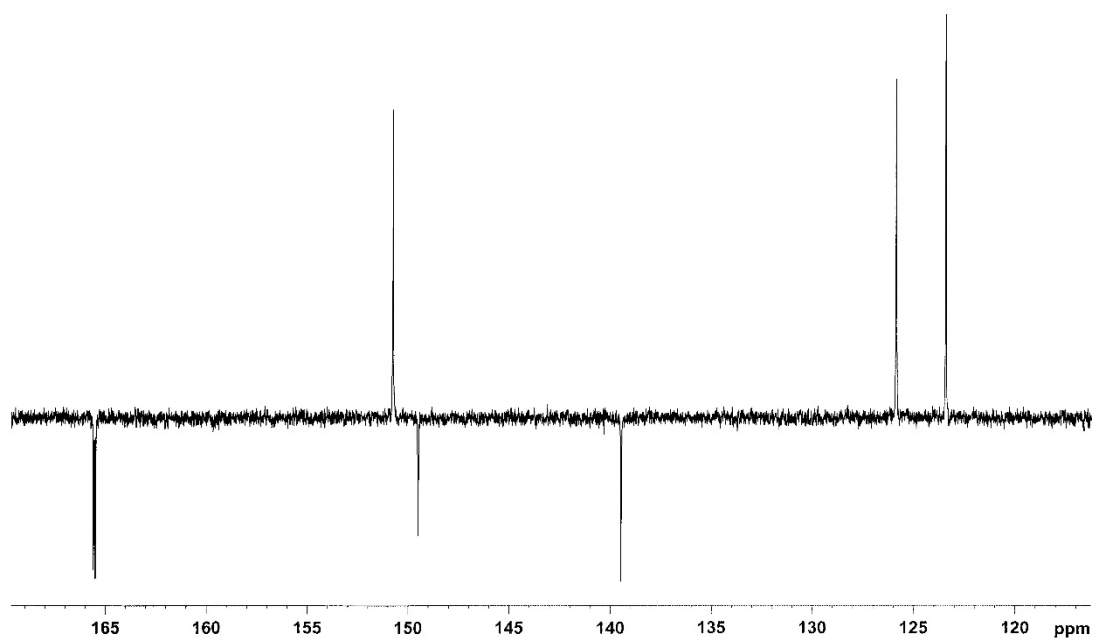


Fig. S6. ^{13}C NMR spectrum of 2,4-pydcH₂

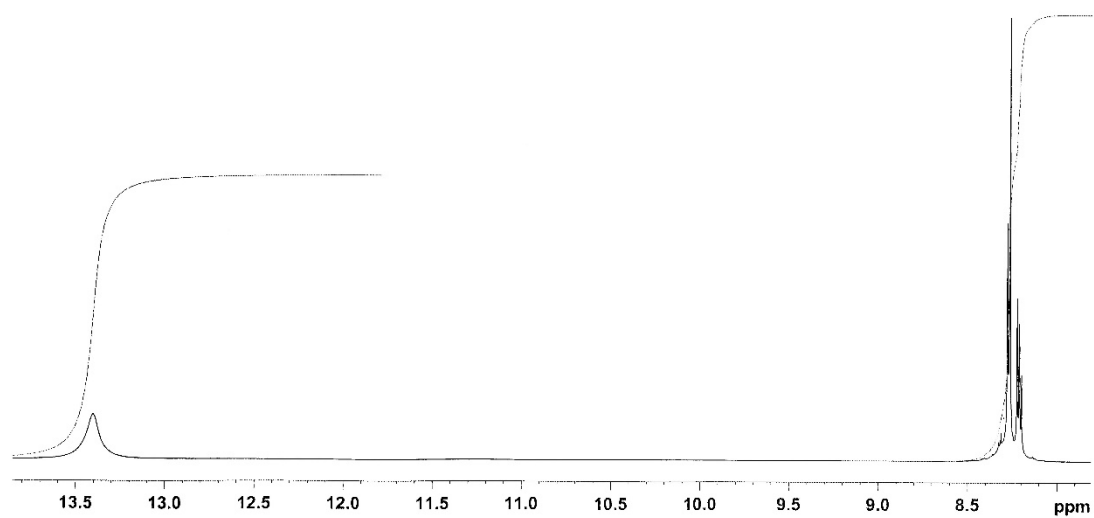


Fig. S7. ¹H NMR spectrum of 2,6-pydcH₂

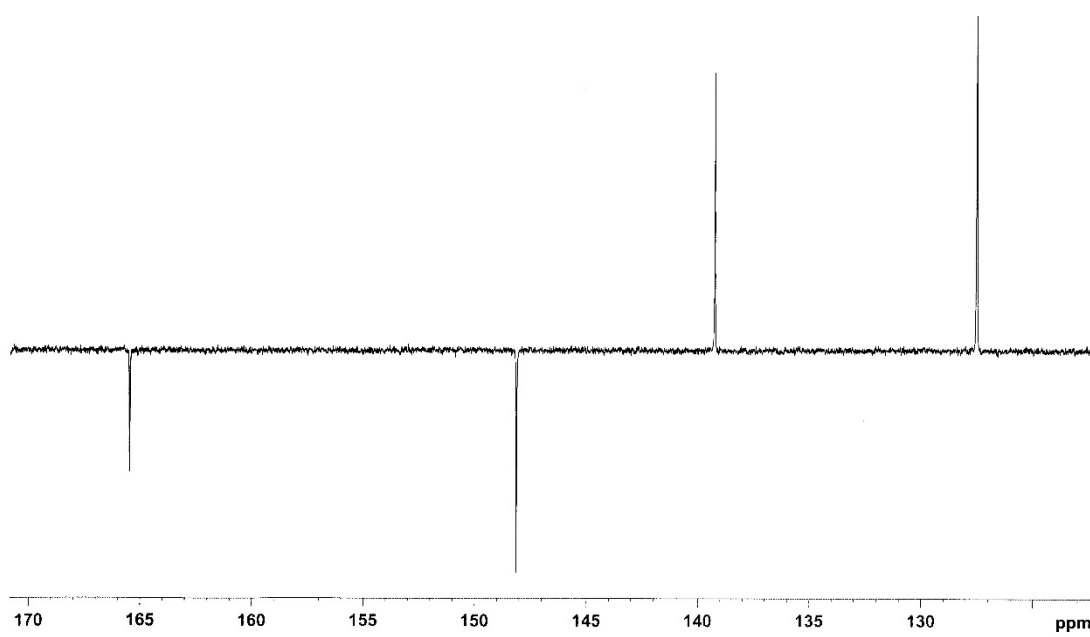


Fig. S8. ¹³C NMR spectrum of 2,6-pydcH₂

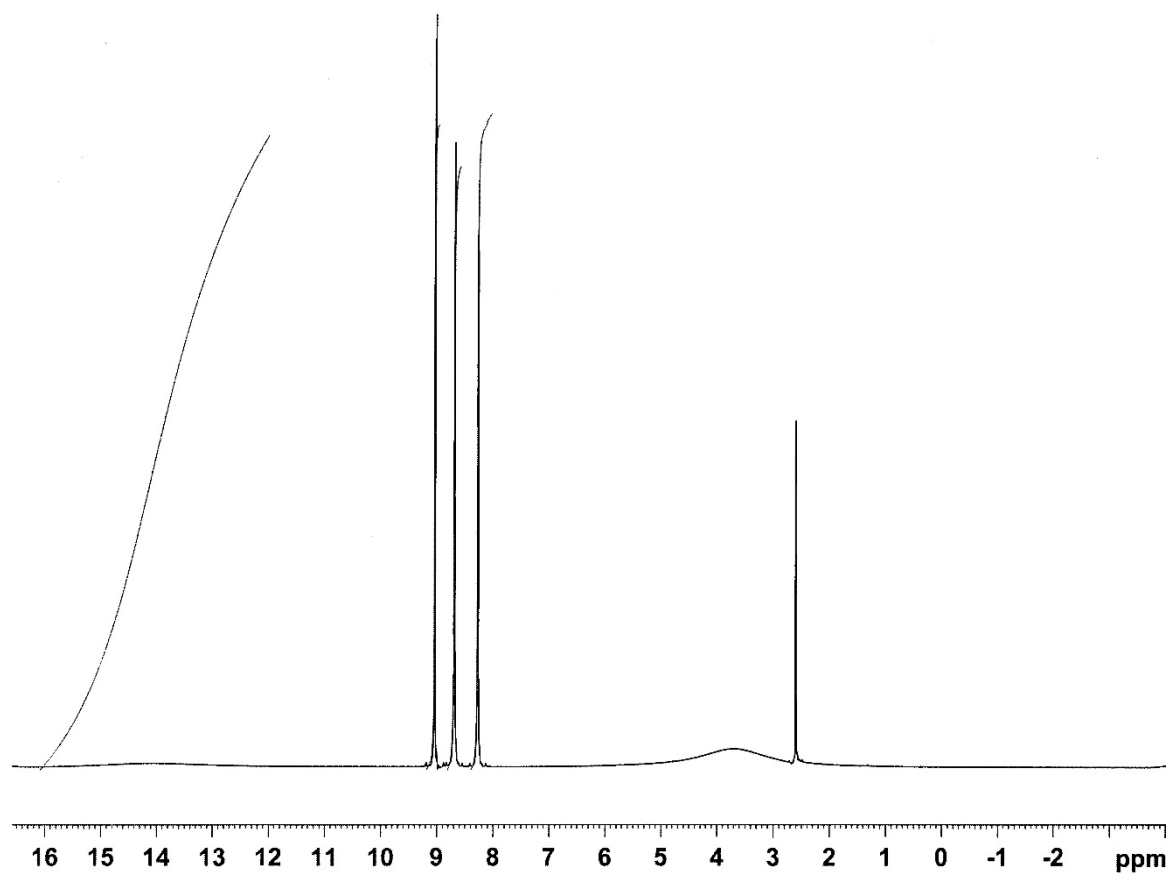


Fig. S9. ^1H NMR spectrum of $[\text{HgCl}(\text{2,4-pydcH}_2)(\text{2,4-pydcH})]\cdot 2\text{H}_2\text{O}$ (1)

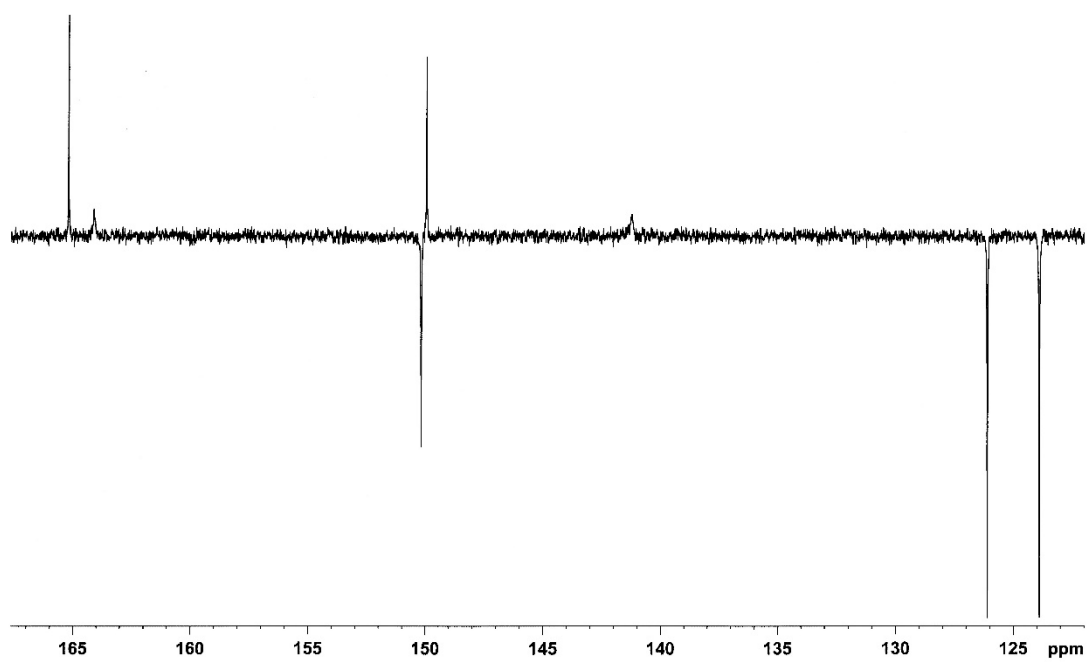


Fig. S10. ^{13}C NMR spectrum of $[\text{HgCl}(\text{2,4-pydcH}_2)(\text{2,4-pydcH})]\cdot 2\text{H}_2\text{O}$ (1)

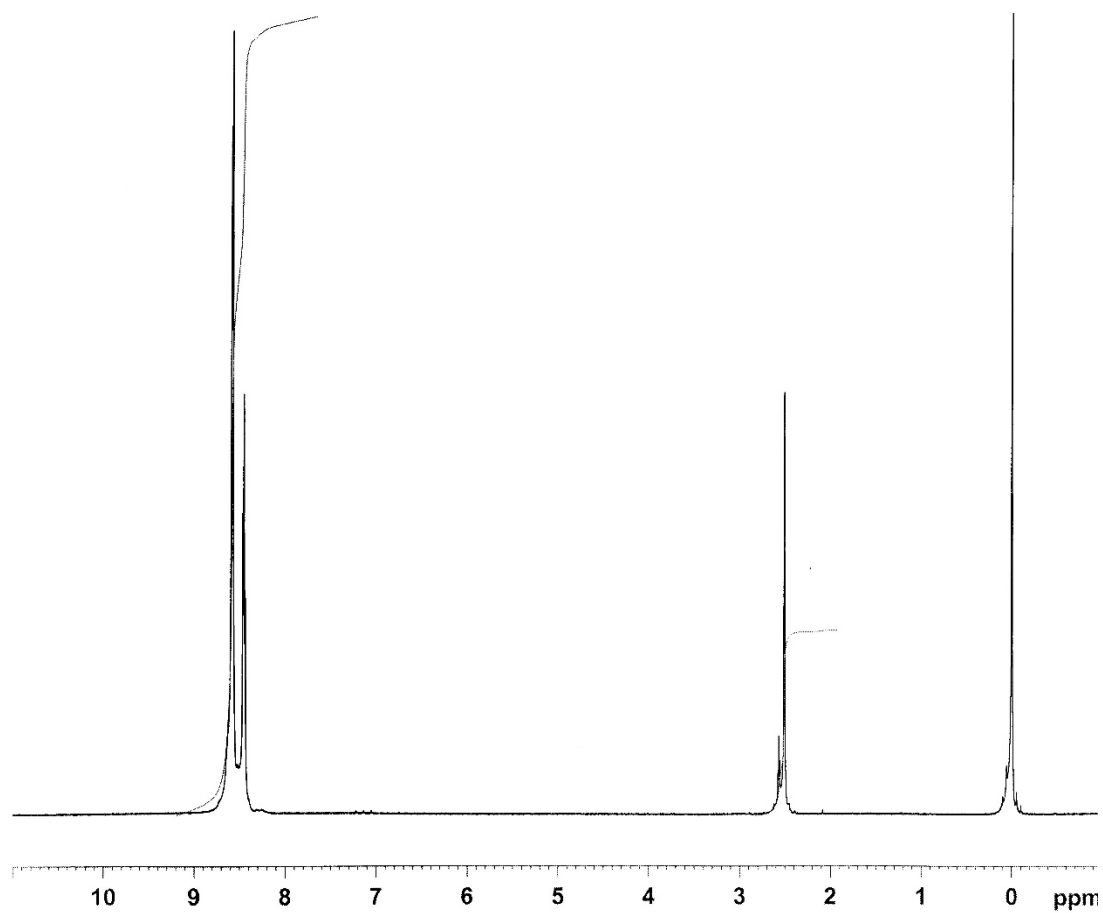


Fig. S11. ^1H NMR spectrum of $[\text{HgCl}(2,6\text{-pydcH})(\text{H}_2\text{O})]\cdot 3\text{H}_2\text{O}$ (**2**)

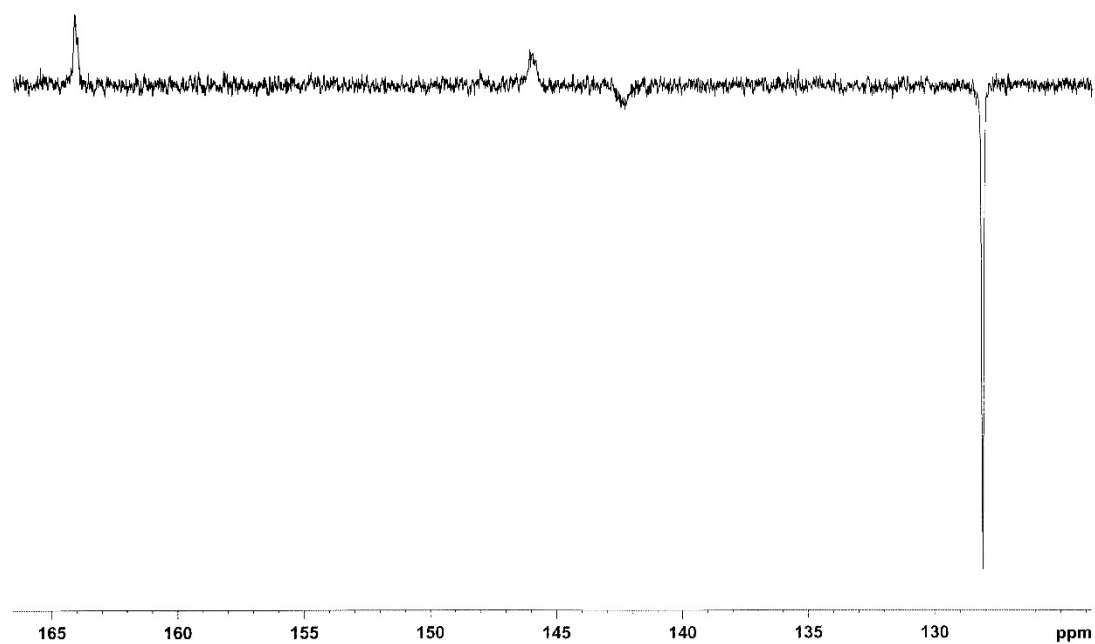


Fig. S12. ^{13}C NMR spectrum of $[\text{HgCl}(2,6\text{-pydcH})(\text{H}_2\text{O})]\cdot 3\text{H}_2\text{O}$ (**2**)