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## Supporting Information

Supporting Information for F5098:

## Discrete and Infinite Cage-Like Frameworks with Inclusion of Anionic and Neutral Species and with Interpenetration Phenomenon

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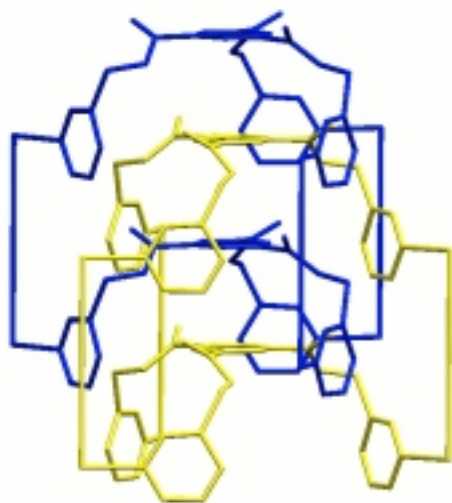


Figure S1 Interlocked cage-like moieties existing in complex **1**.

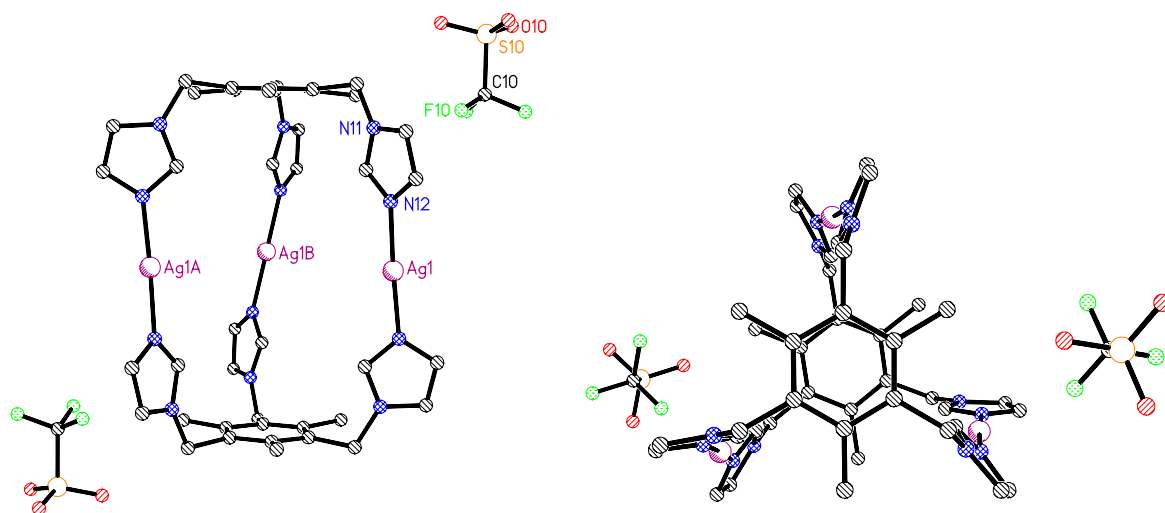


Figure S2 Crystal structure of complex  $[\text{Ag}_3(\text{TITMB})_2](\text{CF}_3\text{SO}_3)_2(\text{OH})\cdot 5\text{H}_2\text{O}$  **3**. One hydroxide ion and water molecules are omitted for clarity.

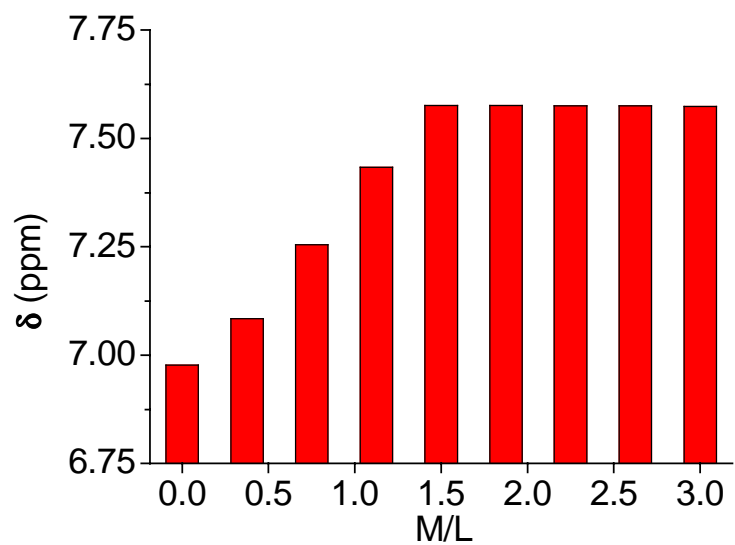


Figure S3 Column diagram of the chemical shift of the proton at the 4-position of imidazolyl group versus the metal-to-ligand molar ratio.

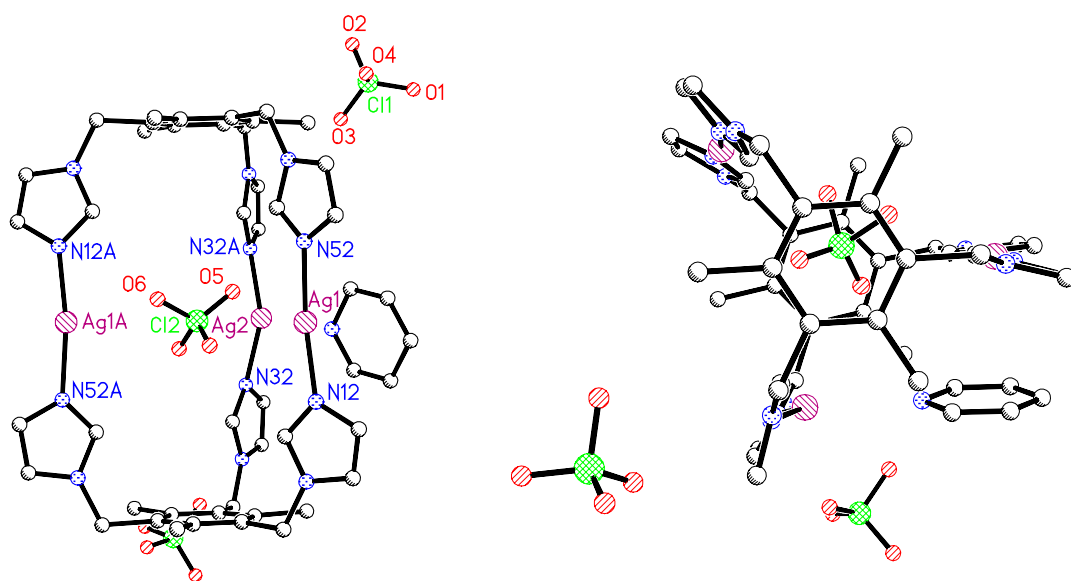


Figure S4. Side (left) and top (right) views of crystal structure of **6**.