

Supplementary Information

Insight into non-covalent interactions in a $[\text{Cu}(\text{N}_3)_4]^{2-}$ -bridged hetero-pentanuclear copper(II)/sodium complex with special emphasis on the strong $\text{CH}\cdots\pi[\text{Cu}(\text{N}_3)_4]$ interactions

PRASANTA KUMAR BHAUMIK, ROSA M. GOMILA, ANTONIO FRONTERA*, SAMIA BENMANSOUR,
CARLOS J. GÓMEZ-GARCÍA and SHOUVIK CHATTOPADHYAY*

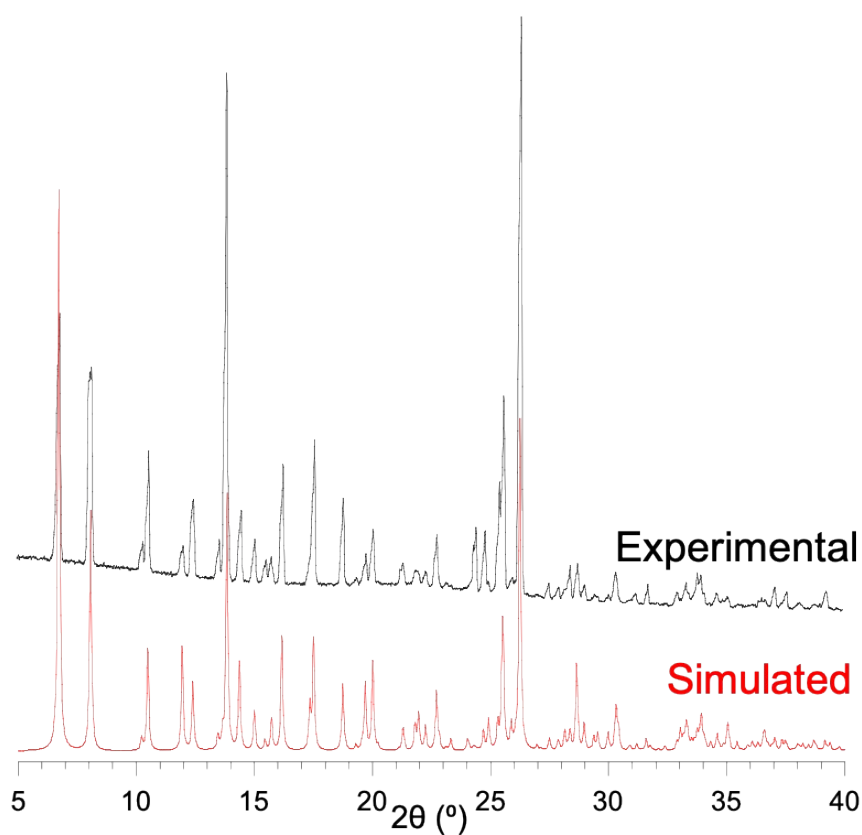


Fig. S1 Experimental and simulated X-ray powder diffractogram of complex $[(\text{CuLNa})_2(\mu\text{-N}_3)_2\text{Cu}(\text{N}_3)_2]$ (**1**).

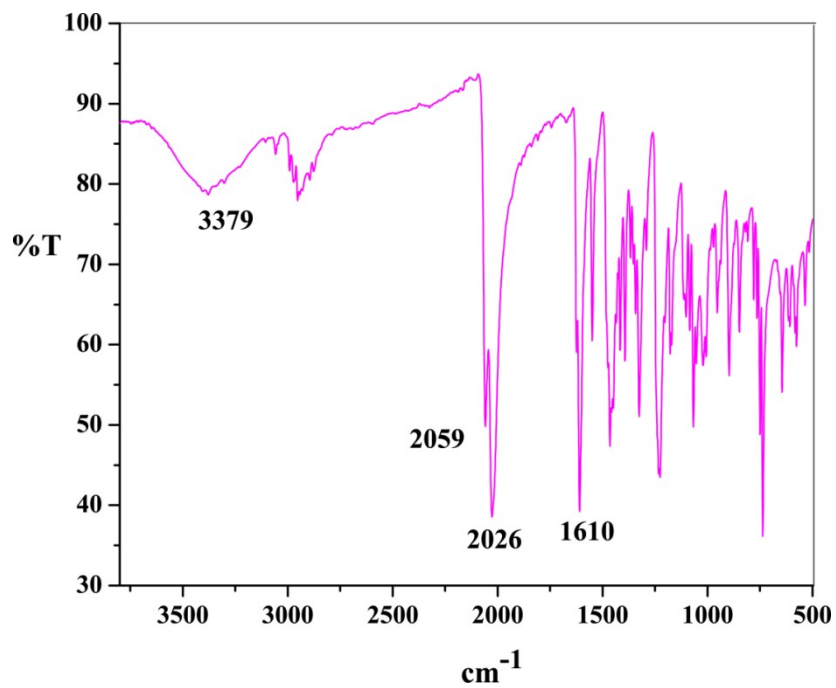


Fig. S2 IR spectrum of the complex 1

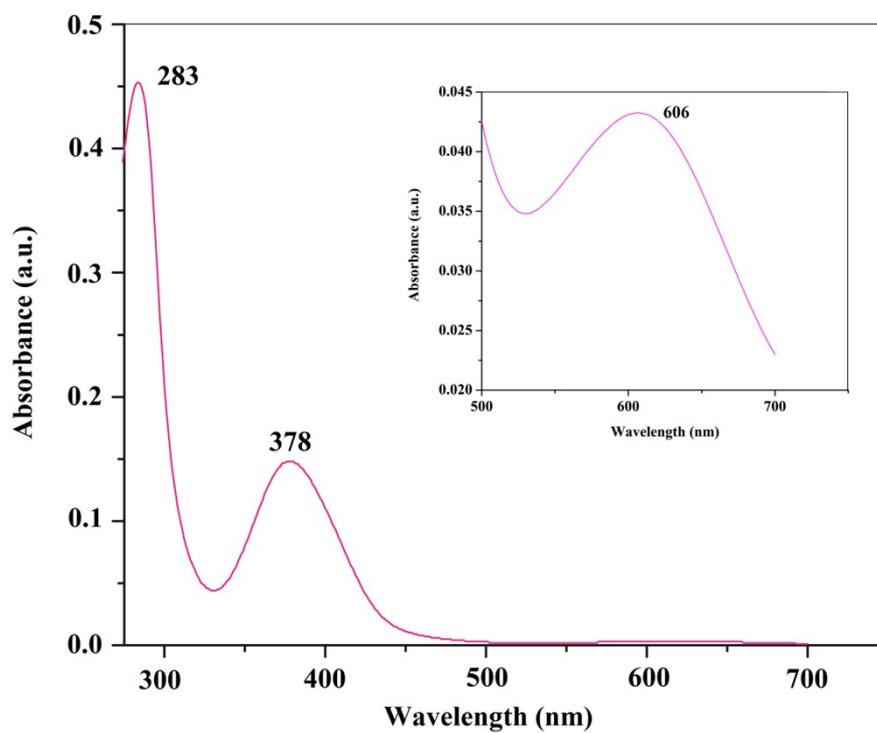


Fig. S3 UV-Vis spectrum of the complex 1 in DMF medium (inset shows a zoom of the 500-700 nm range).

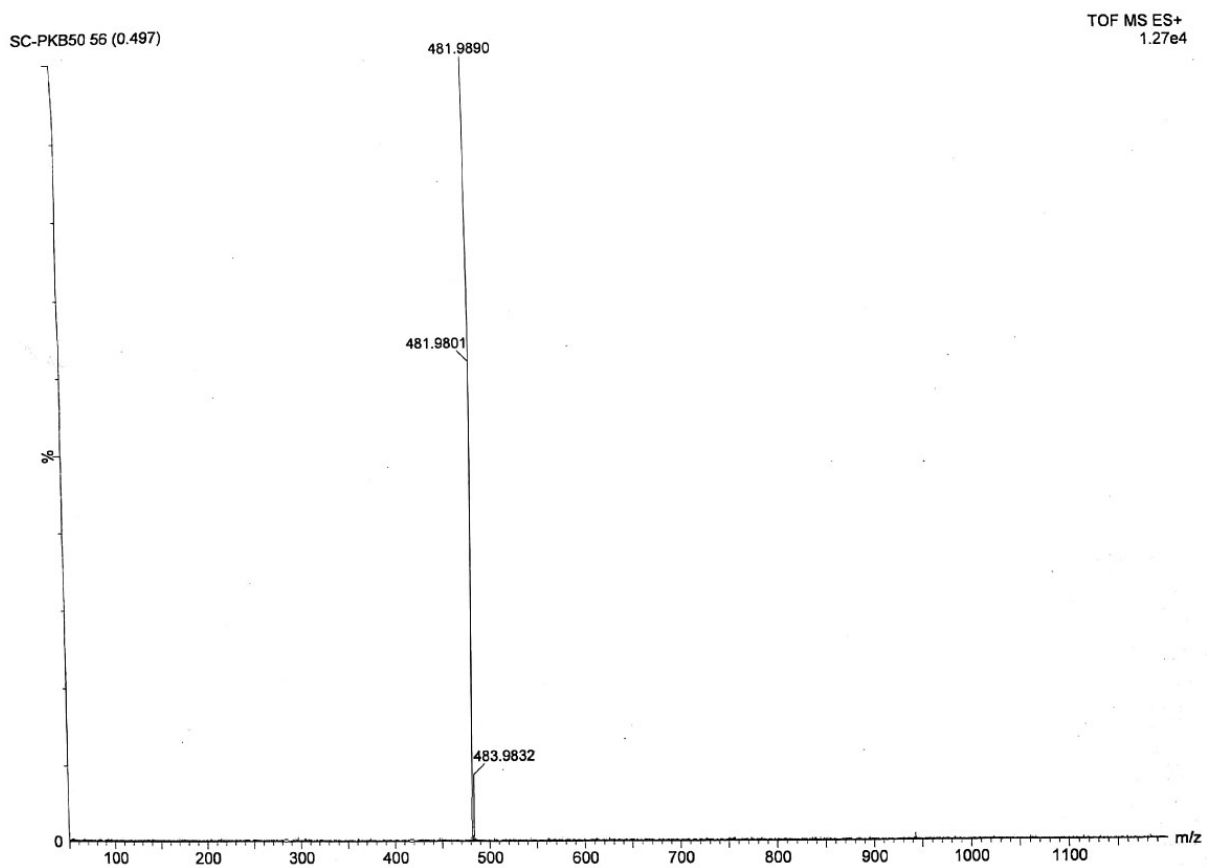


Fig. S4 Electrospray ionization mass spectrum (ESI-MS positive) of complex **1** in acetonitrile medium.