

Cyanomethylene-bis(phosphonate) as ditopical ligand: stepwise formation of a 2-D heterometallic Fe(III)-Ag(I) coordination network

Catalin Maxim,^{a,b} Diana Branzea,^a Marius Andruh,^b Rodolphe Clérac,^{c,d} Bogdan Iorga^e and Narcis Avarvari^{*:a}

Supporting Information

IR spectra

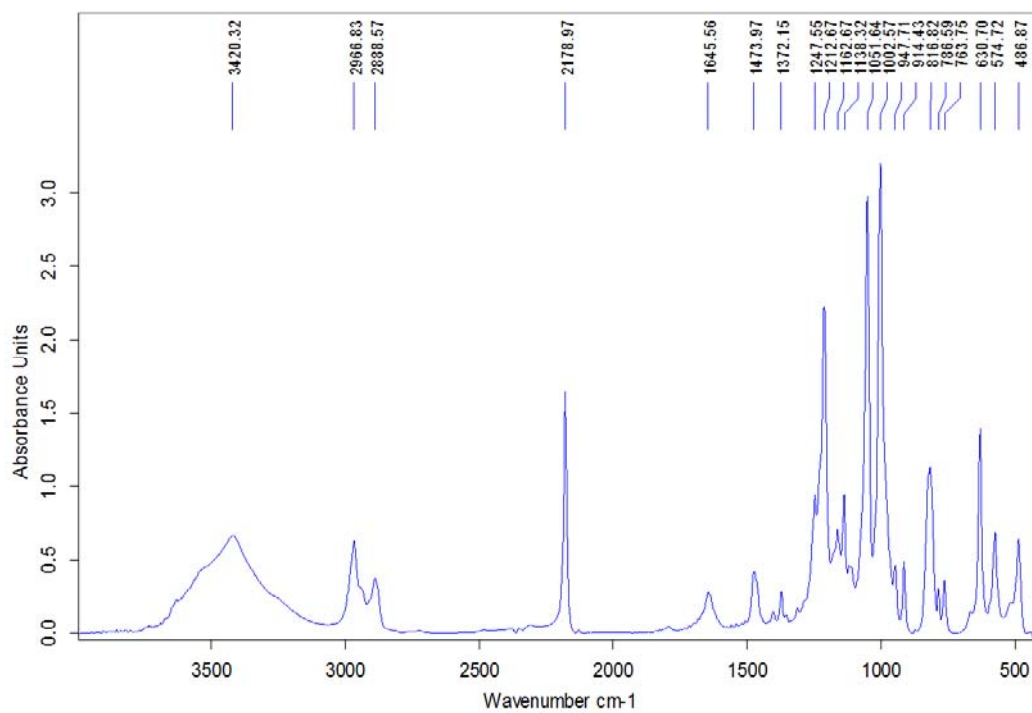


Figure S1. IR spectrum of **1**

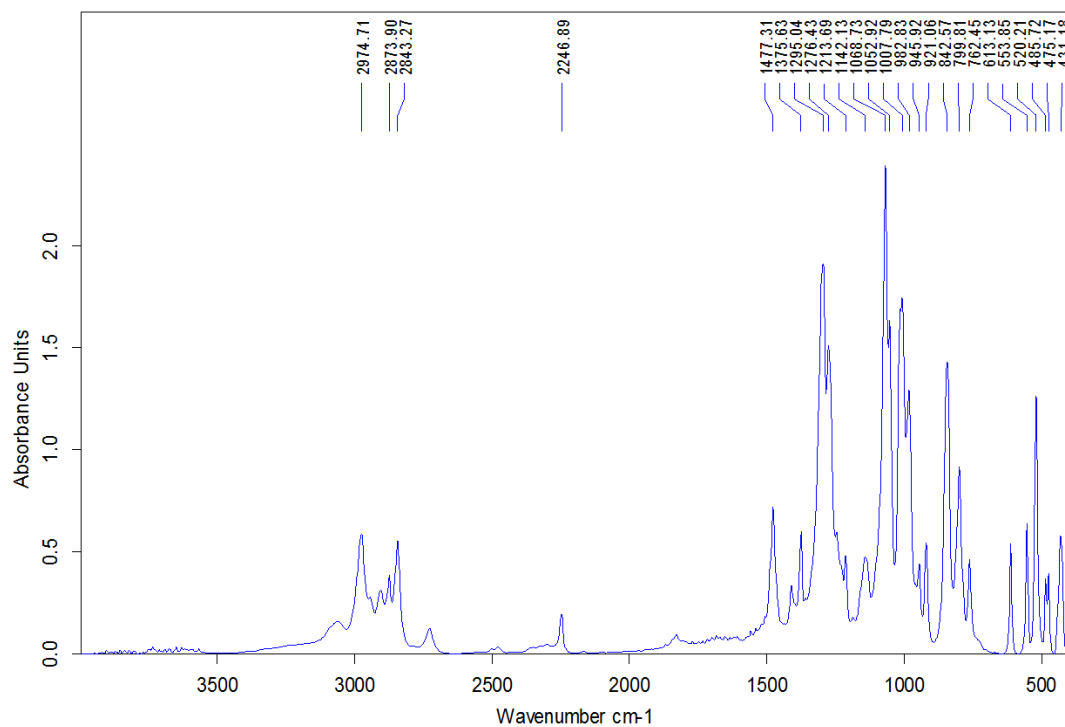


Figure S2. IR spectrum of **1'**

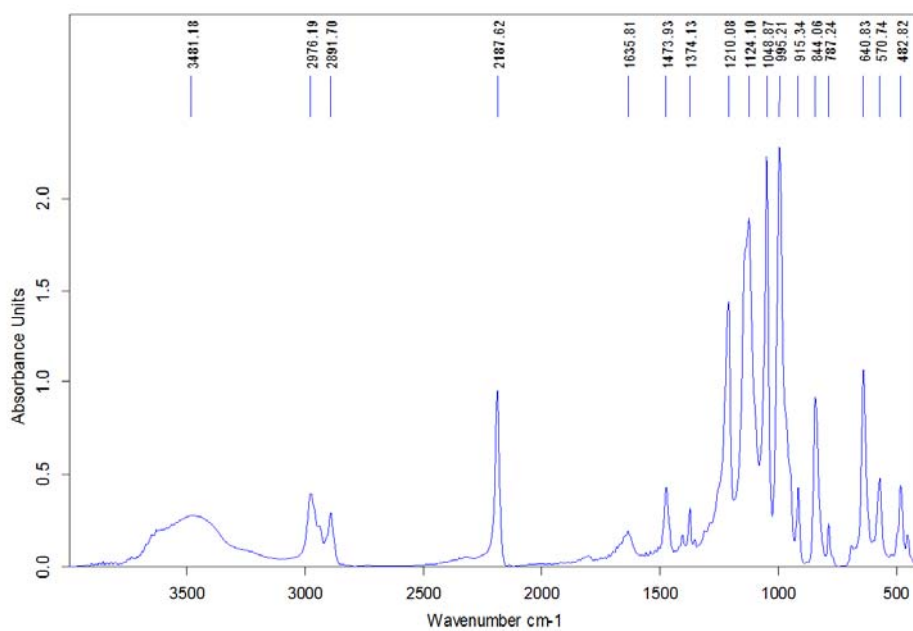


Figure S3. IR spectrum of 2

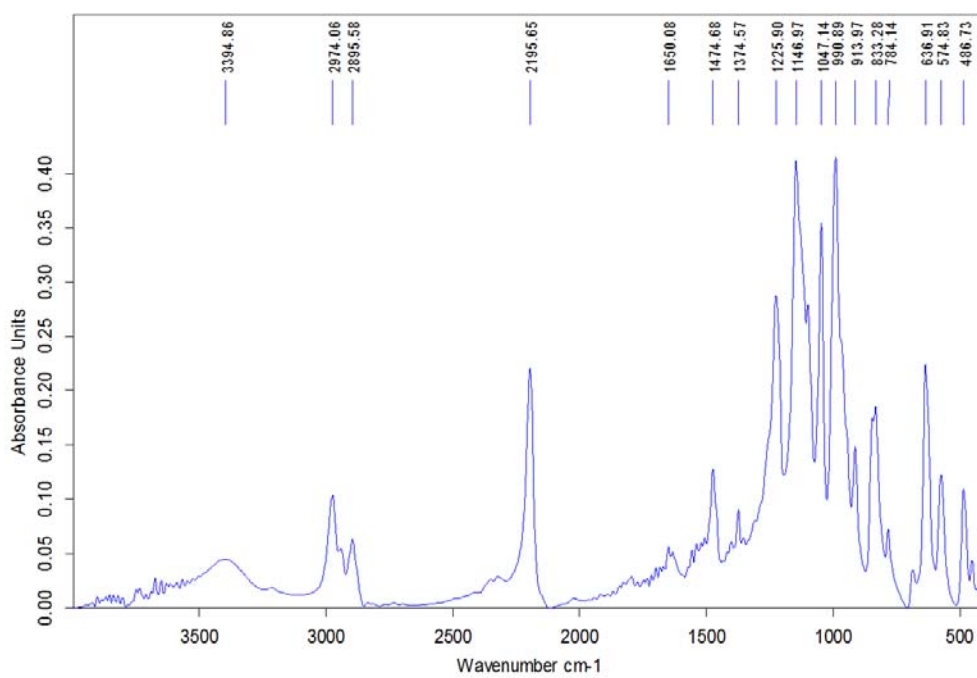


Figure S4. IR spectrum of 3

The electronic absorption spectra

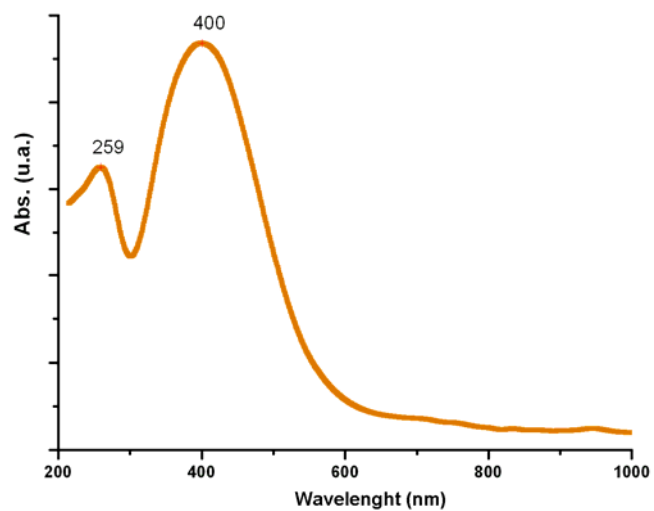


Figure S5 The electronic absorption spectrum in diffuse reflectance mode in the solid state for **2**

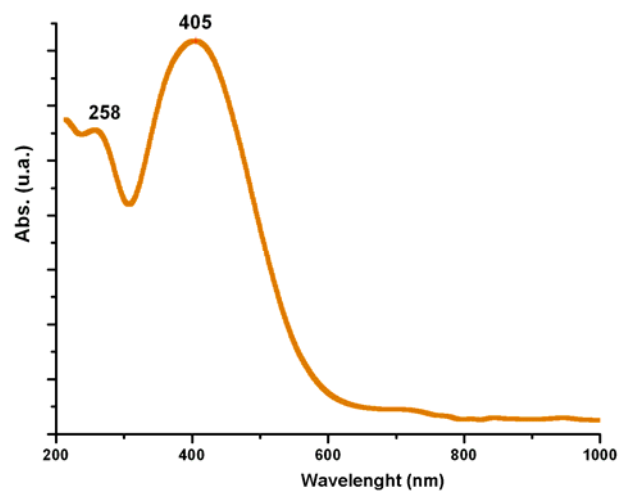


Figure S6 The electronic absorption spectrum in diffuse reflectance mode in the solid state for **3**

PXRD characterization compound 3

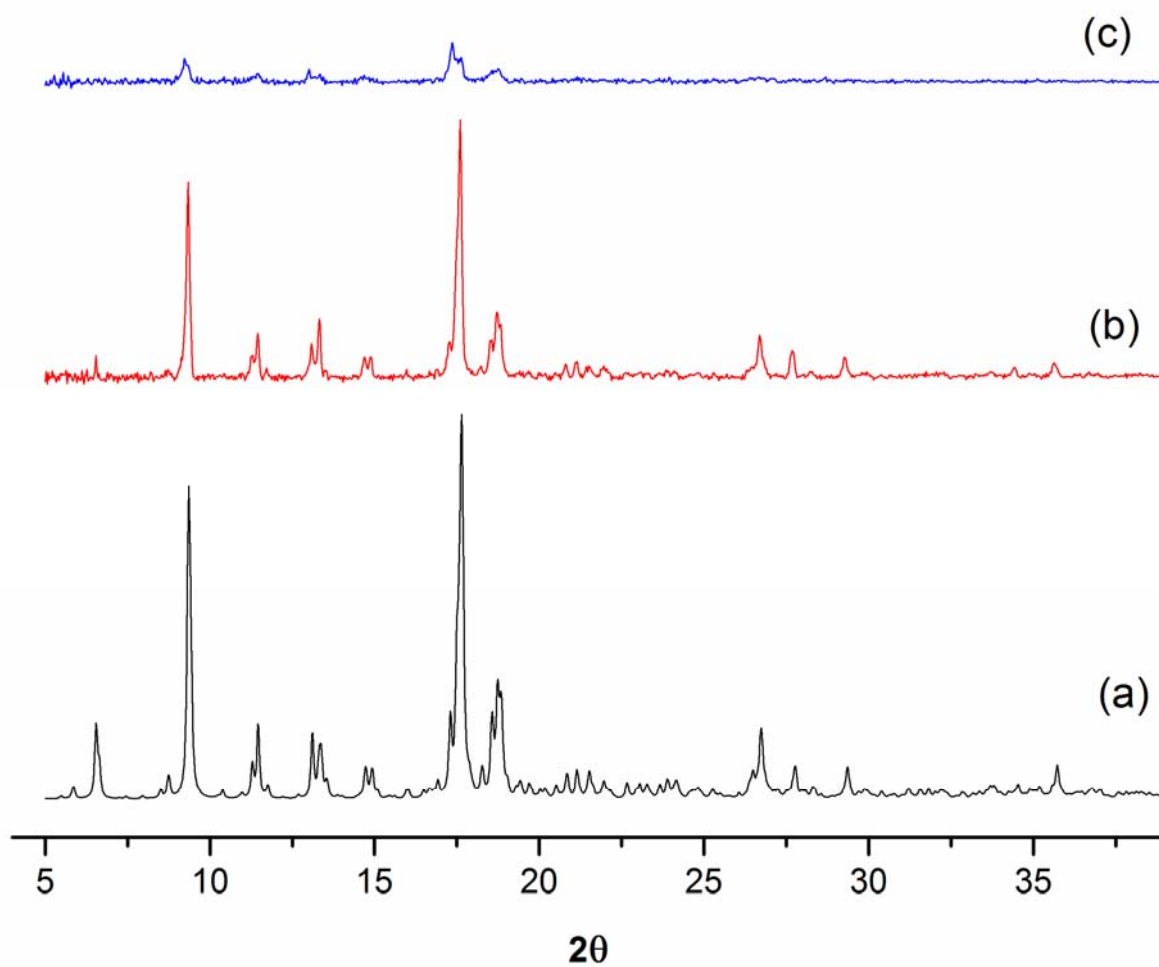


Figure S7 Comparison of the simulated (a), recorded (b) and recorded after deshydration at 373K for 1 hour under vacuum (c) , PXRD pattern for **3**.