Supporting information

Solvent Dependent Structures of Hydrogen-Bonded Organic Frameworks of 2,6-Diamino Purine

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1. Characterizations

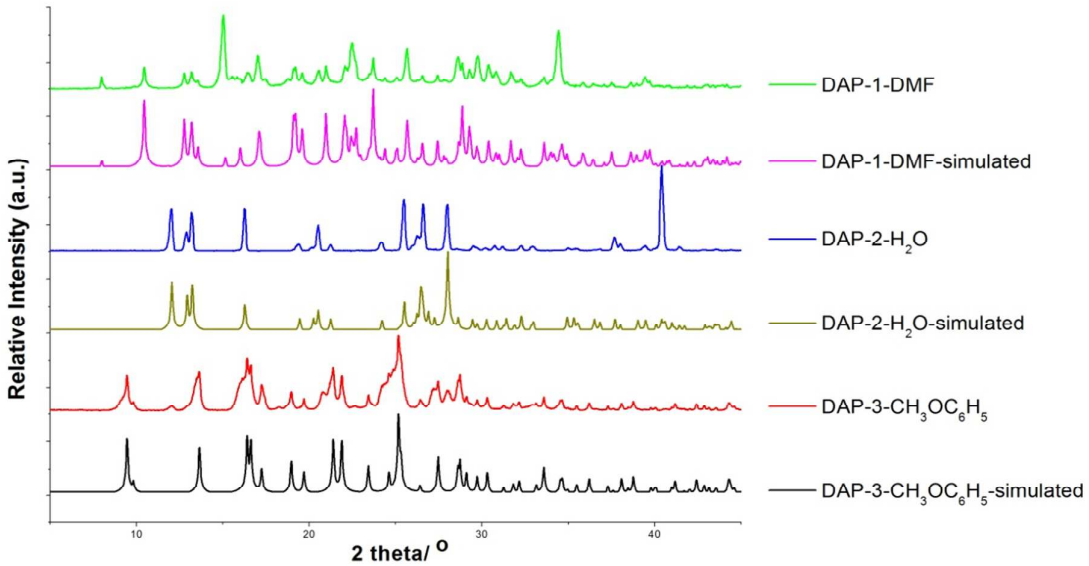
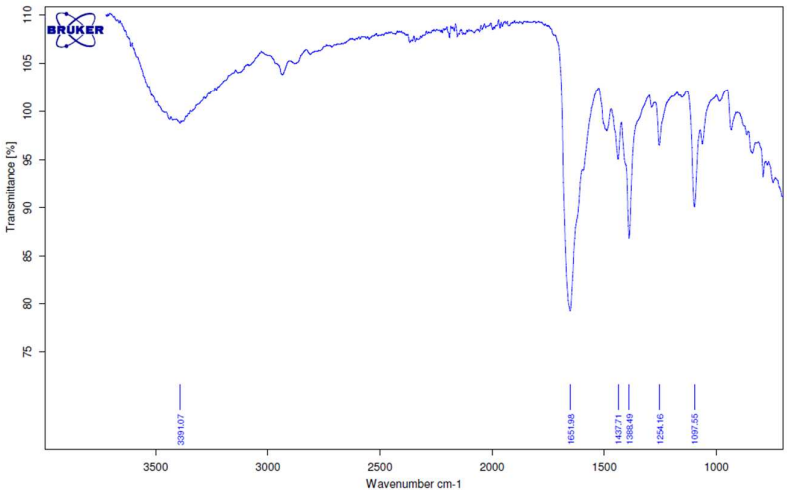
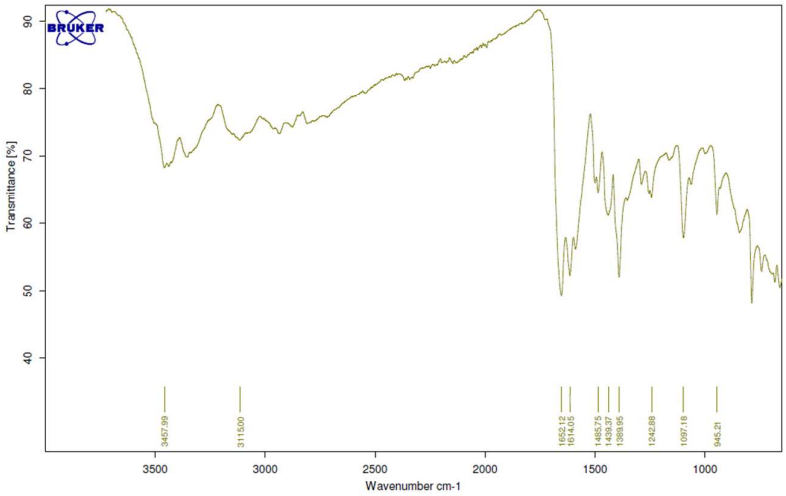


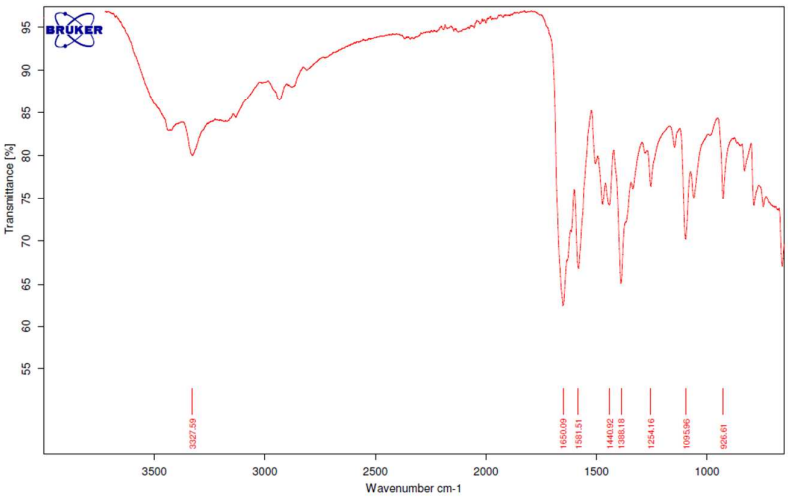
Figure S1. Powder X-ray diffraction patterns of simulated **DAP-1-DMF**, **DAP-2-H_2O** and **DAP-3-$CH_3OC_6H_5$** and as-synthesized ones.



(a)



(b)



(c)

Figure S2. FT-IR patterns of **DAP-1-DMF**, **DAP-2-H_2O** and **DAP-3-$CH_3OC_6H_5$**.

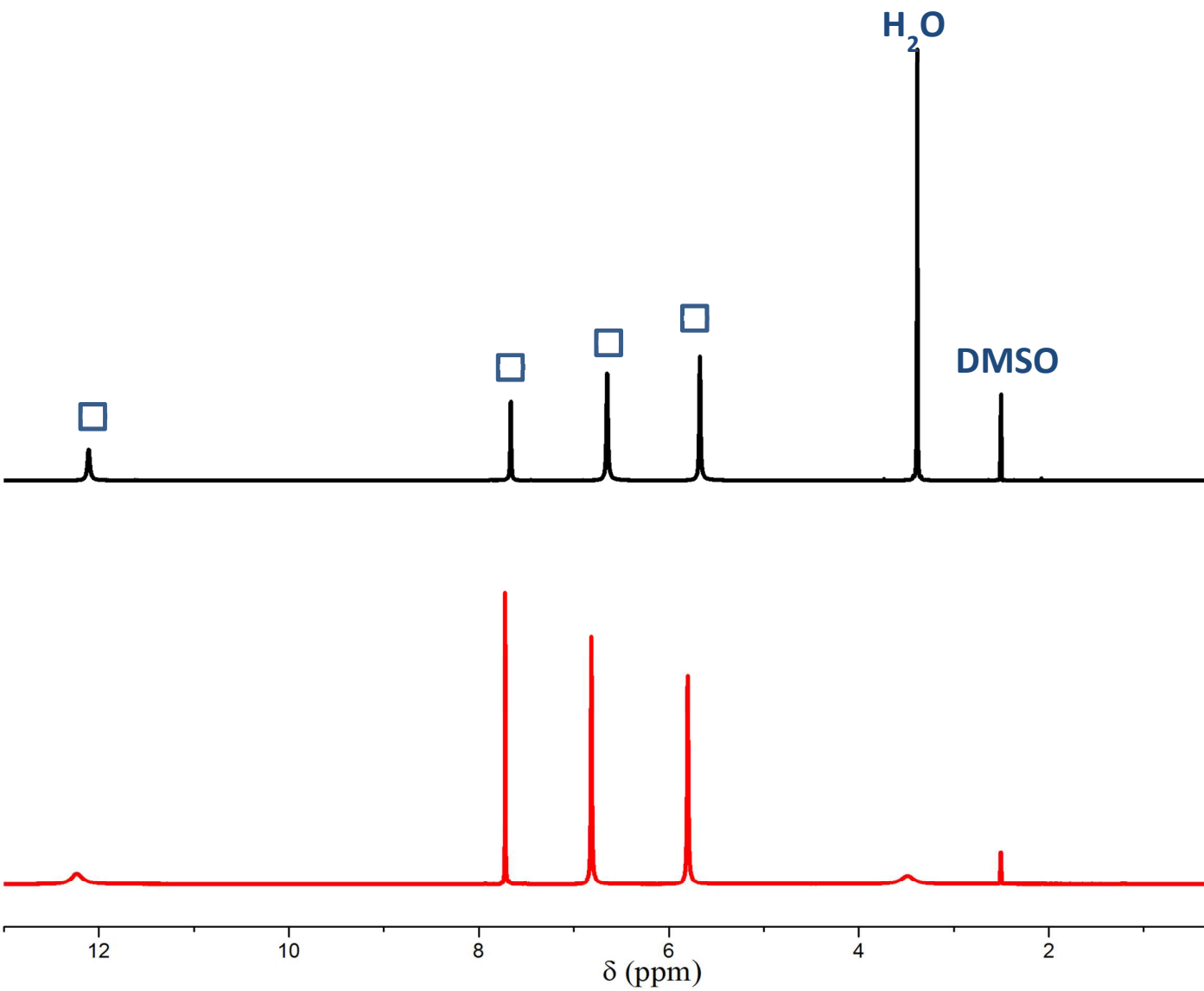


Figure S3. ^{1}HNMR spectra of the **DAP-3-$CH_3OC_6H_5$** and DAP without solvent digested in DMSO-d_6. The labeled peaks (blue squares) represent DAP molecule.