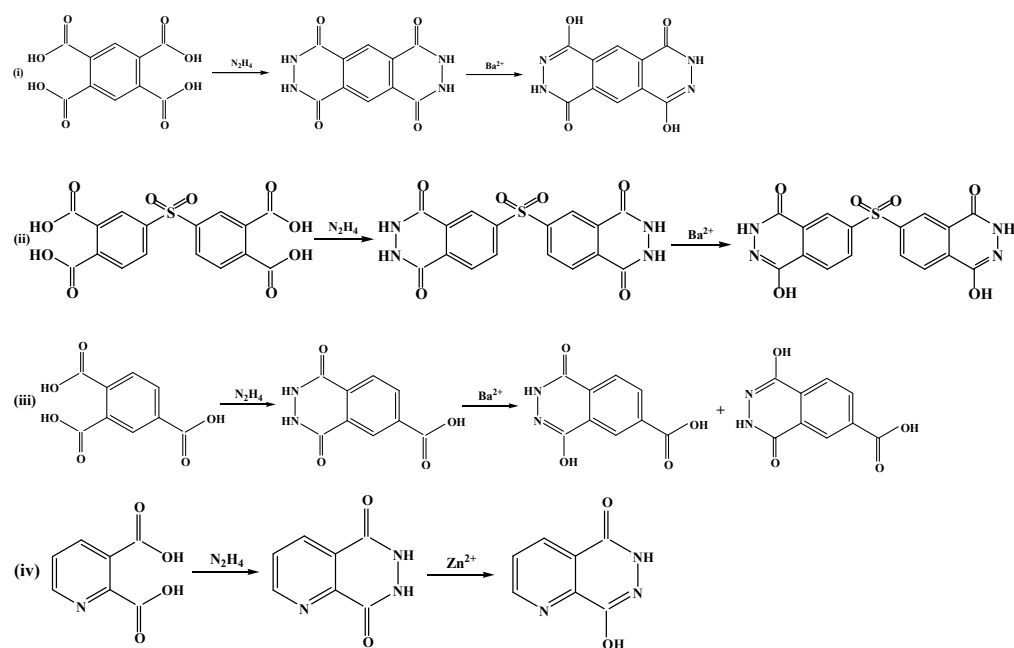


Supporting materials



Scheme S1 Acylation and isomerization observed in 1-4.

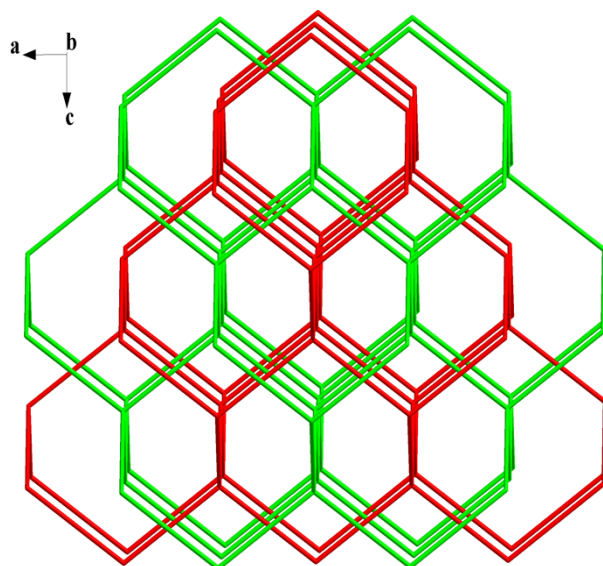


Fig. S1 Topological plot of 4, showing a 2-fold interpenetration.

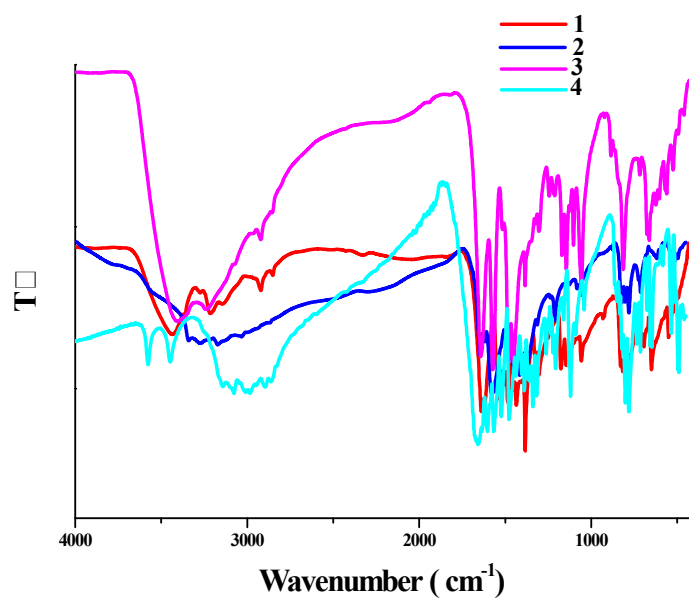


Fig. S2 IR spectra of 1-4.

Table S1 C-O distances of acylhydrazide ring moiety in 1-4.

	1		2	3		4	
	pmdh I	pmdh II	sdpth	cpth I	cpth II	pdh I	pdh II
C-O (Å)	1.295(3)	1.278(3)	1.2807(10)	1.284(9)	1.293(10)	1.271(5)	1.326(5)
C=O (Å)	1.254(3)	1.245(3)	1.2592(10)	1.249(9)	1.260(12)	1.237(6)	1.245(6)

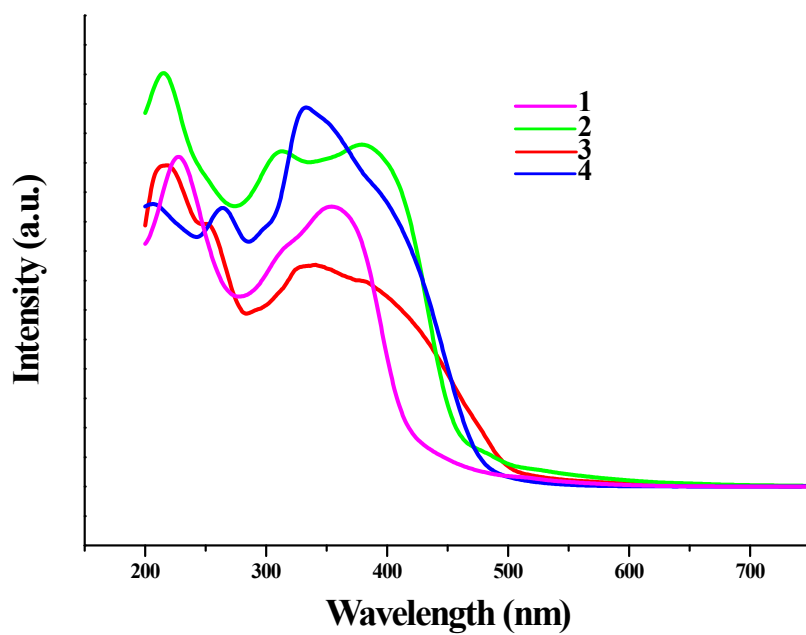


Fig. S3 UV-vis spectra of 1-4.

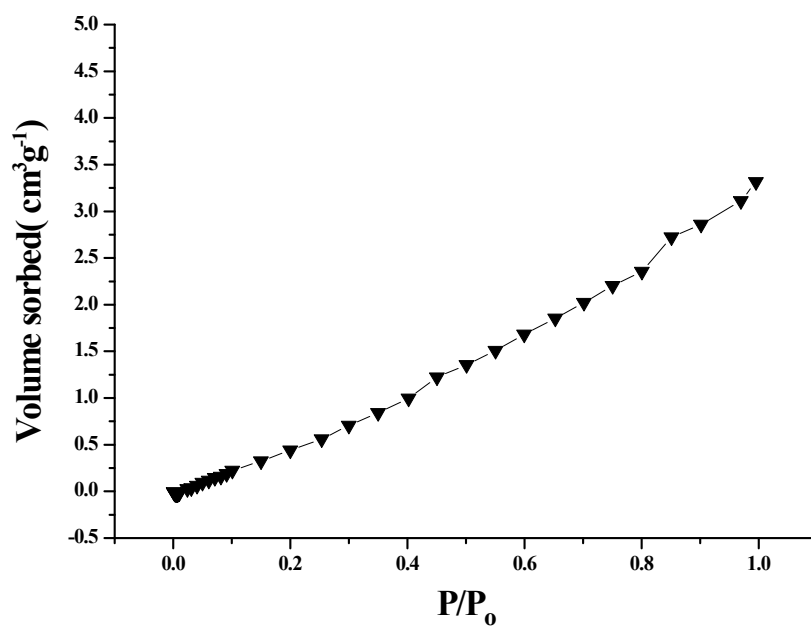


Fig. S4 CO₂ adsorption isotherm of 2 at 273 K.