Supporting Information

Table S1. H-bonding interactions for **1** and **2.**

D-H…A	d(D-H), (Å)	d(H..A) (Å)	d(D..A), (Å)	<DHA, (°)	Operation symmetry
Compound **1**					
O1-H7…O2	0.95(1)	2.36(5)	3.260(4)	157	[x,1-y,1/2+z]
O1-H7…O4	0.95(1)	2.34(4)	2.769(4)	107	[x,1-y,1/2+z]
C3-H3…O4	0.95(1)	1.59(4)	3.486(3)	158	[x,1-y,1/2+z]
C4-H4…O3	0.95(1)	1.47(5)	3.078(3)	122	[1/2 -x,- 1/2+y, 1/2-z]
Compound **2**					
O1-H7…O4	0.95(1)	2.49(2)	2.827(4)	100	[x, y, 1+z]
O1-H7…O2	0.95(1)	2.18(4)	3.106(4)	166	[x,1-y,1/2+z]
O1-H7…O4	0.95(1)	2.33(3)	2.805(4)	110	[x,1-y,1/2+z]
C3-H3…O3	0.96(1)	2.54(1)	3.123(5)	120	[5/2 -x,- 1/2+y, 1/2-z]
C4-H4…O3	0.96(1)	2.58(1)	3.131(5)	117	[5/2 -x,- 1/2+y, 1/2-z]

Table S2. π-π interactions for **1** and **2**.

	Ring(*i*) → ring/metal(*j*)	Dihedral angle (*i*,*j*), deg	Slip angle (*i*,*j*), deg	⊥Distance of centroid(*i*) from ring/metal (*j*), Å	Distance between the (*i*,*j*) ring centroids, Å
1[a]	R(1) → R(2)^{i}	6.994	36.17	4.050(7)	3.5300
	R(1) → R(2)^{ii}	6.994	36.17	4.050(7)	3.5300
	R(2) → R(1)^{i}	6.994	29.37	4.050(7)	3.2699
	R(2) → R(1)^{iii}	6.994	29.37	4.050(7)	3.2699
	R(3) → R(3)^{iv}	0	14.14	3.815(3)	3.6994
	R(3) → R(3)^{v}	0	14.14	3.815(3)	3.6994
2[a]	R(1) → R(2)^{i}	6.867	36.62	4.076(3)	3.5340
	R(1) → R(2)^{ii}	6.867	36.62	4.076(3)	3.5340
	R(2) → R(1)^{i}	6.867	29.89	4.076(3)	3.2716
	R(2) → R(1)^{iii}	6.867	29.89	4.076(3)	3.2716
	R(3) → R(3)^{iv}	0	5.48	3.829(5)	3.8110
	R(3) → R(3)^{v}	0	5.48	3.829(5)	3.8110

a Symmetry code: (i) –x, 1–y, –z; (ii) x, 1–y, –1/2+z; (iii) x, 1–y,1/2+ z; (iv) –x, 2–y, –z; (v) x, 2–y, –1/2+ z. R(i) and R(j) denote the i-th/j-th rings of tpt: R(1) = N1/C1/C2/C5/C4/C3; R(2) = N2/C6/N3/C6'/N2'/C7; R(3) = N4/C10/C9/C8/C9'/C10' [Primed atoms at: –x, y, 3/2–z for 1 and 2–x, y, 3/2–z for 2]

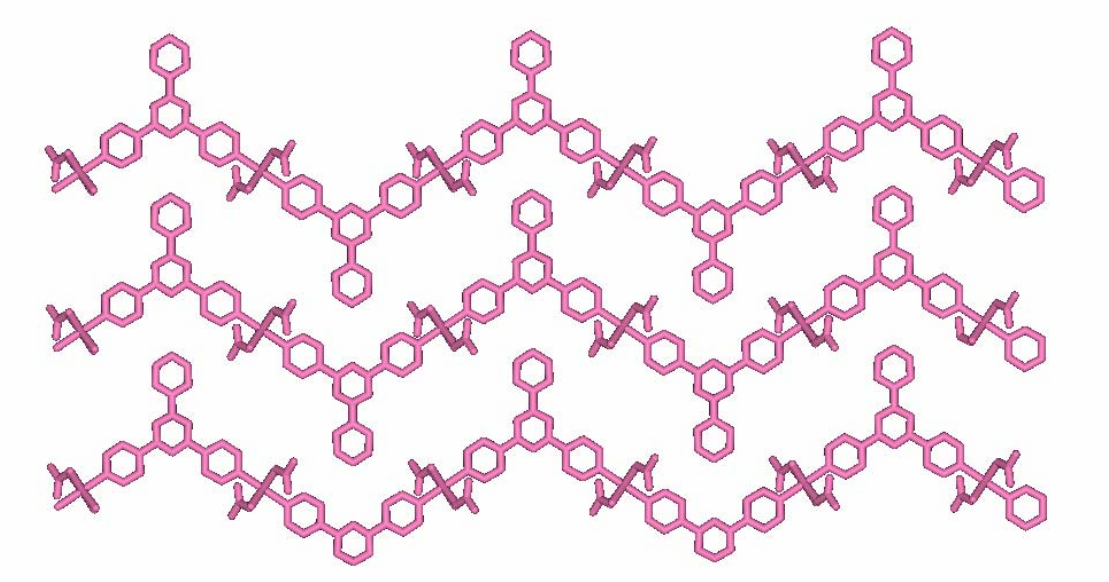

Figure S1. Perspective view of the alternate sinusoidal chains in **1** lying in the same crystallographic plane.

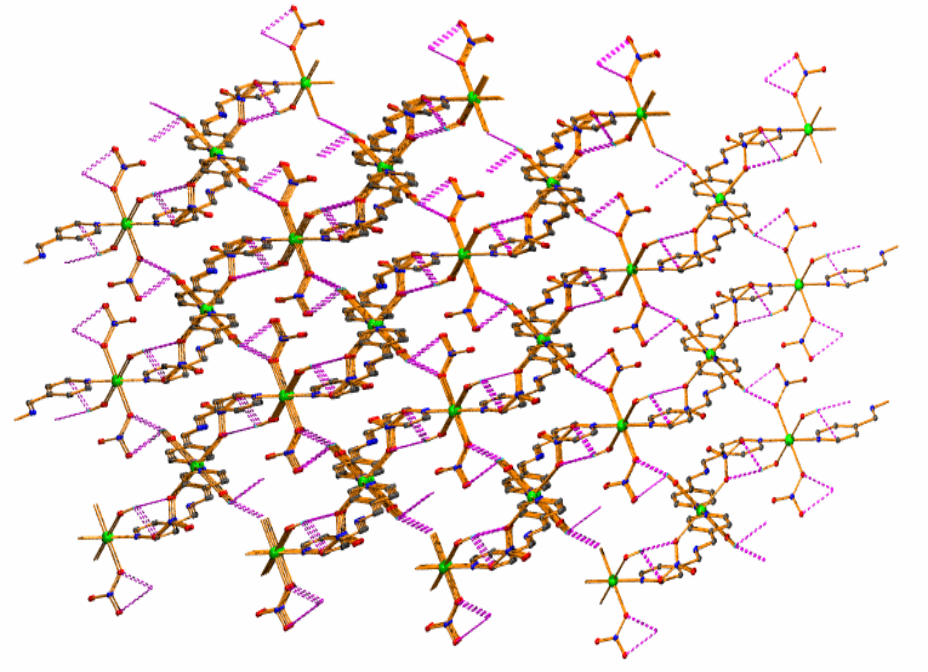

Figure S2. Perspective view of the 3D H-bonded network in **1**.

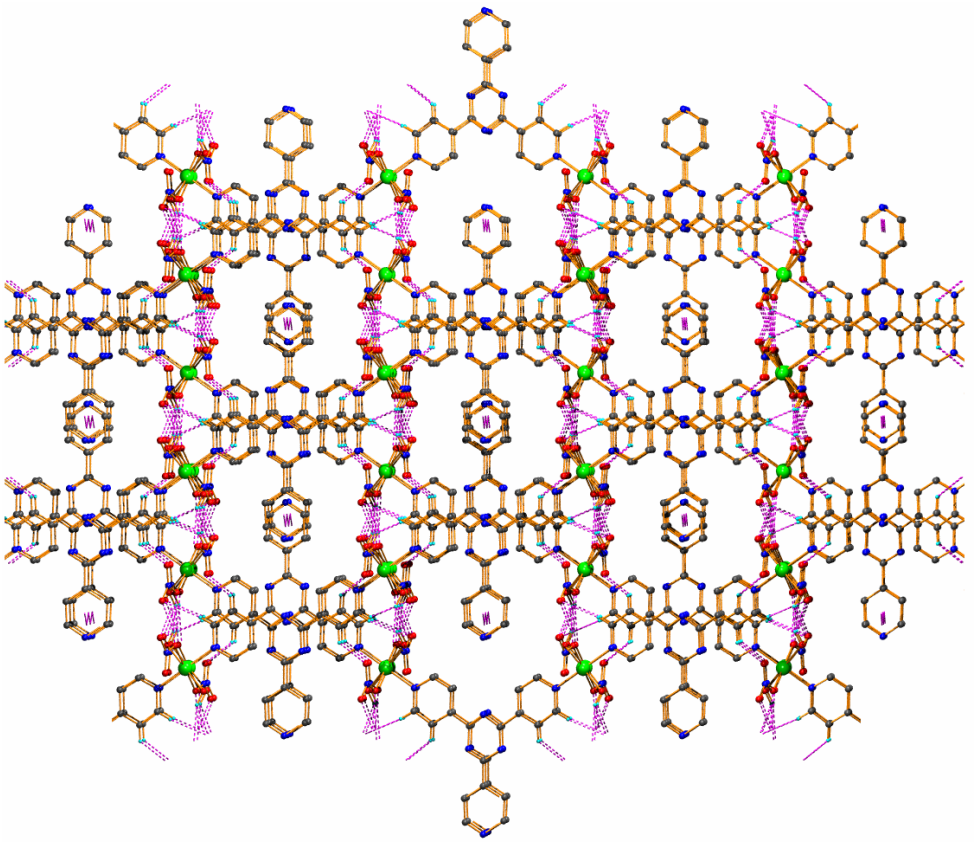

Figure S3. The *c*-axis projection of the 3D supramolecular continuum in **1** constructed by hydrogen bonding, C-H…O and π–π interactions.

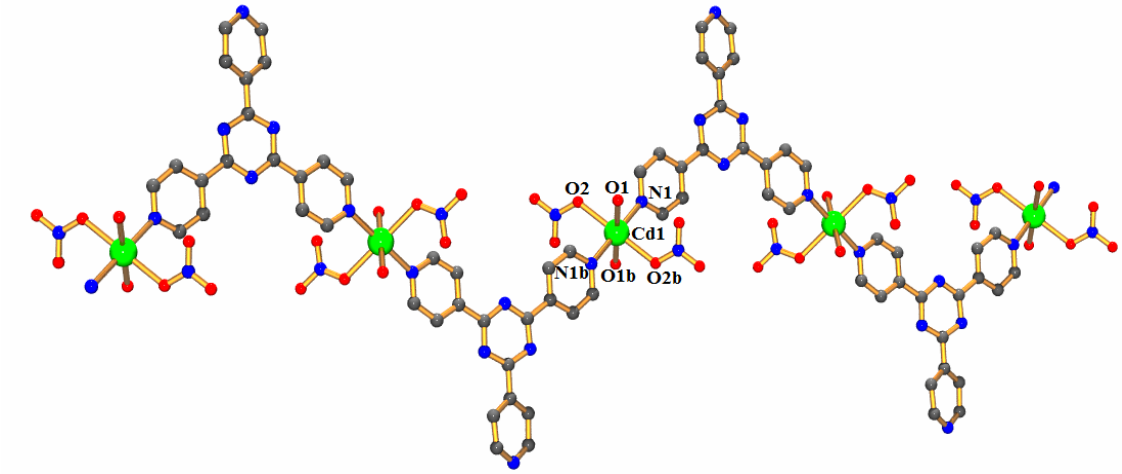

Figure S4. 1D coordination chain of $[Cd(tpt)(NO_3)_2(H_2O)_2]_n$ (**2**)