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Supporting information for article:

Synthesis and crystal structure of an *M*4*L*6 tetrahedral cage with outward pockets from a substituted pyrazolyl–pyridine ligand

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Supplementary Information

Synthesis and Crystal Structure of M_4L_6 tetrahedral cage with outward pockets from substituted pyrazolyl-pyridine ligand

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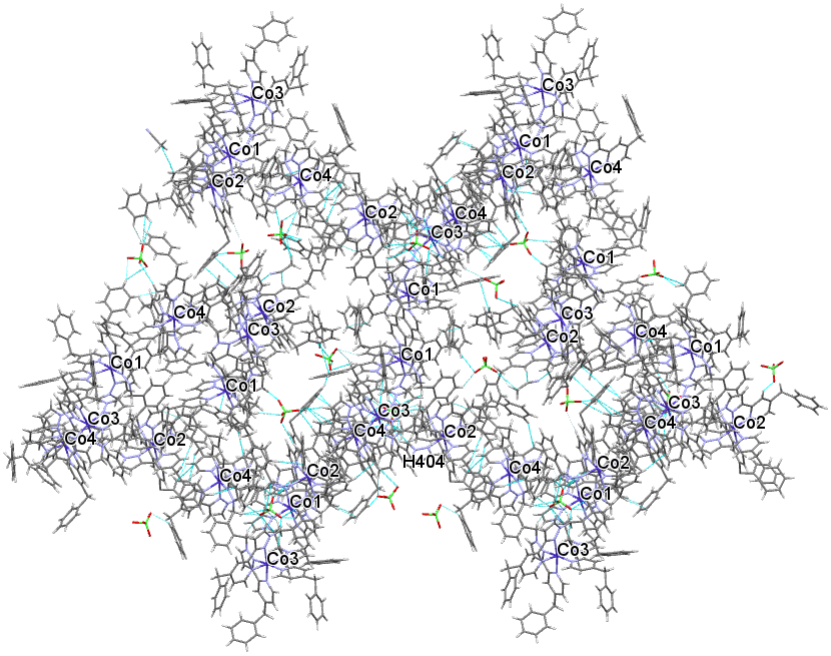

Figure S1 Intermolecular interactions by overlapping benzyl rings of neighbouring cages through CH•••π hydrogen contacts to form a 3D network.

Table S1 Hydrogen bonds for $[Co_4L_6 \subset ClO_4][ClO_4]_7$*

D-H...A	d(D-H)	d(H...A)	d(D...A)	<(DHA)
C(36)-H(36A)...O(2)	0.99	2.40	3.180(19)	134.9
C(47)-H(47B)...O(4)	0.99	2.26	3.21(2)	160.1
C(256)-H(25A)...O(2)	0.99	2.63	3.253(18)	121.1
C(267)-H(26A)...O(1)	0.99	2.54	3.239(19)	127.5
C(326)-H(32A)...O(4)	0.99	2.65	3.266(19)	120.5
C(337)-H(33A)...O(1)	0.99	2.50	3.098(19)	118.5
C(396)-H(39A)...O(3)	0.99	2.45	3.210(19)	133.5
C(407)-H(40A)...O(1)	0.99	2.43	3.231(19)	138.0

* Symmetry transformations used to generate equivalent atoms: #1 -x+3/2,-y+1,z+1/2