Supplementary Material (ESI) for Dalton Transactions

Supplementary Data

Self-assembly of tetranuclear $\{[Co(trien)]_2[W(CN)_8]_2\}^{2-}$ or $\{[Co(trien)]_2[W(CN)_8]_2\}^{2-}$ square of alternating aliphatic tetramine Co(III) and octacyanotungstate(IV) corners

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Table S1. The distances [Å] and angles [°] of possible hydrogen bonds for $K_2\{[Co^{III}(tren)]_2[W^{IV}(CN)_8]_2\}\cdot 9H_2O$ (**2**).

D–H	d(D–H)	d(H..A)	<DHA	d(D..A)	A
N31–H311	0.900	2.202	144.24	2.979	N12
N31–H312	0.900	2.108	162.47	2.979	N14
N34–H341	0.900	2.105	161.50	2.973	O5
N34–H342	0.900	2.300	163.33	3.172	N12
N37–H371	0.900	2.255	151.40	3.076	N14
N37–H372	0.900	2.339	147.06	3.133	O12
N41–H411	0.900	2.200	146.67	2.993	N23
N41–H412	0.900	2.023	165.63	2.903	N24
N44–H441	0.900	2.096	151.70	2.920	O7
N44–H442	0.900	2.196	165.03	3.074	N23
N47–H471	0.900	2.235	149.13	3.042	N24
N47–H472	0.900	2.104	161.47	2.971	O6
O1	–	–	–	2.888	N13
O2	–	–	–	2.802	N27
O4	–	–	–	2.791	N25
O5	–	–	–	2.768	O11
O5	–	–	–	3.018	N23
O6	–	–	–	2.724	O12
O6	–	–	–	2.958	N14
O11	–	–	–	2.860	O12
O11	–	–	–	3.050	N16