

Supporting Information

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Two new POM-based compounds containing a linear tri-nuclear copper(II) cluster and an infinite copper(II) chain, respectively

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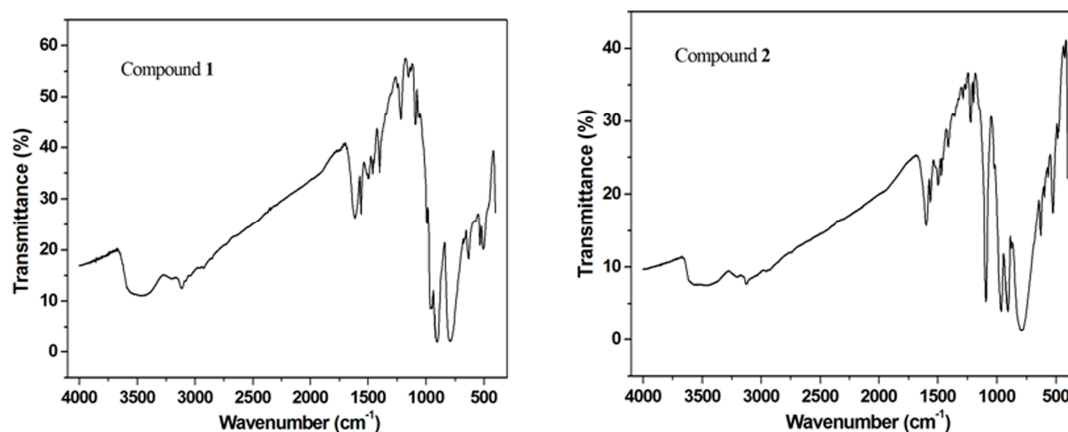


Fig. S1. The IR spectra of compounds **1** and **2**.

Table S1. Selected bond distances (Å) and angles (deg) for compounds **1** and **2**.

Compound 1			
Cu1–N7	1.97(2)	Cu1–N4	2.004(18)
Cu1–O2W	2.435(17)	Cu2–N1	1.97(2)
Cu2–N5	2.007(16)	Cu2–N8	1.98(2)
O1W–Cu2	1.938(2)	O12–Cu2	2.231(18)
N4–Cu1–N4#1		N7#1–Cu1–N4	91.5(8)
N7–Cu1–N7#1	180.0		
O2W–Cu1–O2W#1			
N7–Cu1–N4	88.5(8)	N7–Cu1–O2W	90.4(8)
N4–Cu1–O2W	87.2(6)	N4#1–Cu1–O2W	92.8(6)
O1W–Cu2–N1	92.2(10)	O1W–Cu2–N8	90.6(9)
N1–Cu2–N8	173.4(8)	O1W–Cu2–N5	177.8(9)
N1–Cu2–O12	98.4(8)	N8–Cu2–O12	87.4(7)
N5–Cu2–O12	83.8(7)	O1W–Cu2–O12	95.4(9)
Symmetry transformation used to generate equivalent atoms for 1 : #1 $-x+1, -y, -z$			
Compound 2			
Cu1–O1W	1.902(8)	Cu1–N5	1.988(9)
O1W–Cu2	1.885(8)	Cu2–O2W	1.874(8)
Cu2–N2	1.97(10)	Cu2–N4	2.003(10)
Cu2–O28	2.86(8)	O2W–Cu3	1.906(8)
Cu3–N1	1.980(9)	Cu3–O6	2.78(8)
O1W–Cu1–O1W#1		O1W–Cu1–N5	92.2(4)
N5–Cu1–N5#1	180.0		
O2W–Cu2–O1W	158.8(5)	O2W–Cu2–N2	88.5(4)
O2W–Cu2–N4	97.0(4)	O1W–Cu2–N4	89.1(4)
N2–Cu2–N4	152.9(4)	O2W–Cu3–N1	92.1(4)
O2W–Cu3–O2W#2	180.0	N1–Cu3–N1#2	180.0
Symmetry transformations used to generate equivalent atoms for 2 : #1 $-x, -y-1, -z+2$; #2 $-x, -y, -z+2$.			