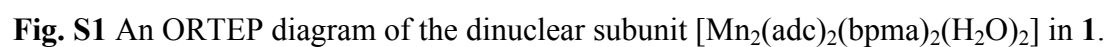


ELECTRONIC SUPPLEMENTARY INFORMATION

Ancillary ligand assisted self-assembly of coordination architectures of Mn(II): effect of the N-alkyl group in a tridentate ligand

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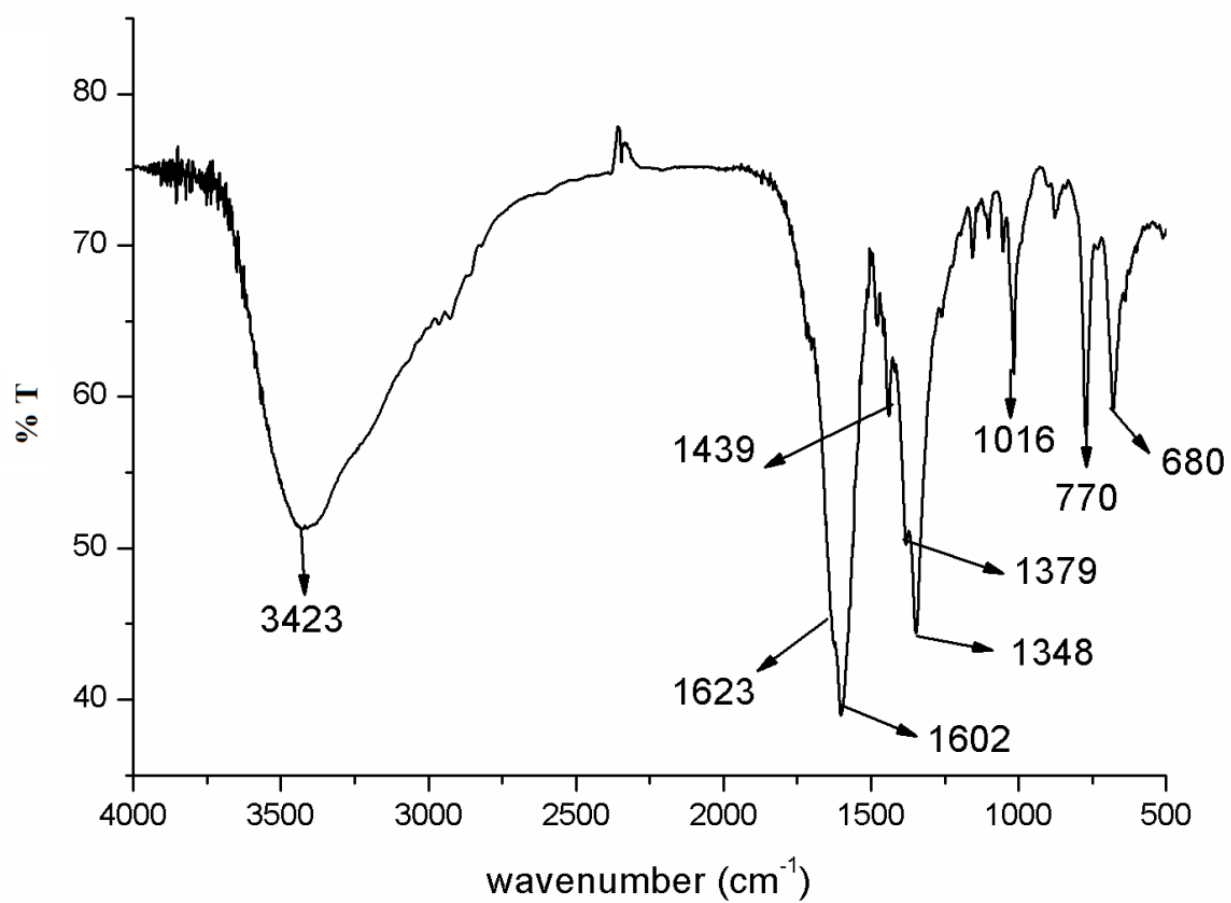


Fig. S3 FTIR spectrum of **1**.

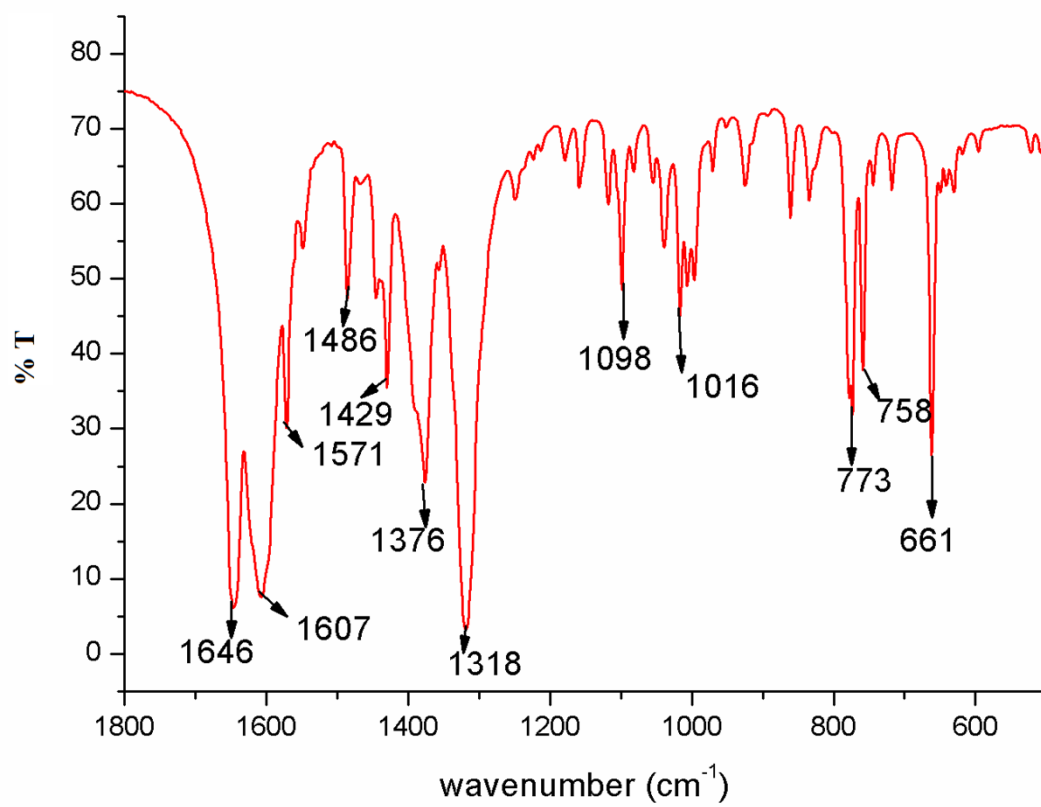
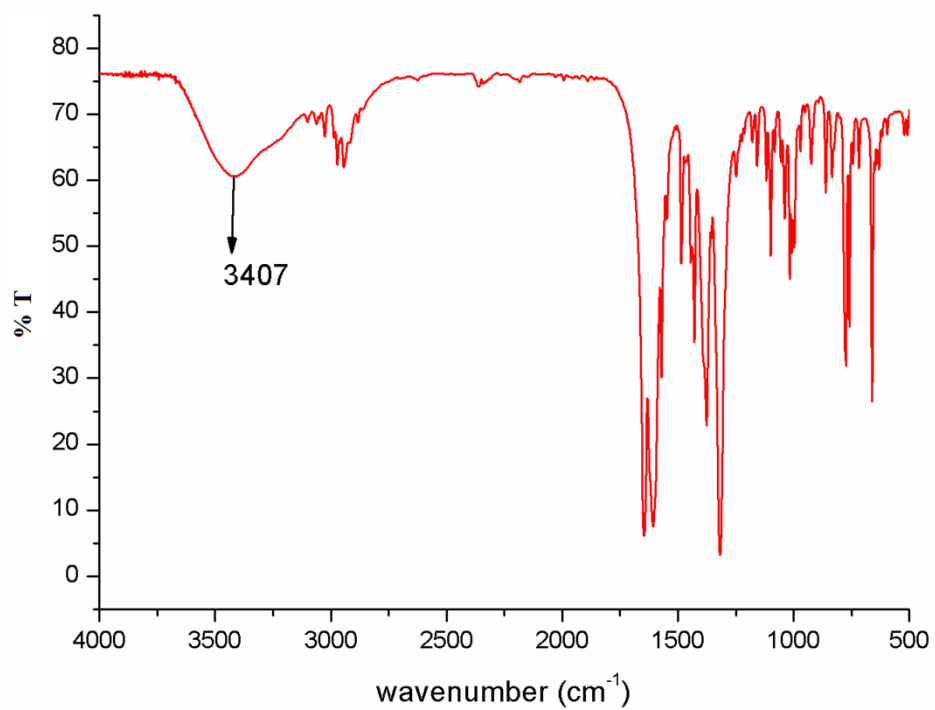


Fig. S4 FTIR spectrum of **2**.

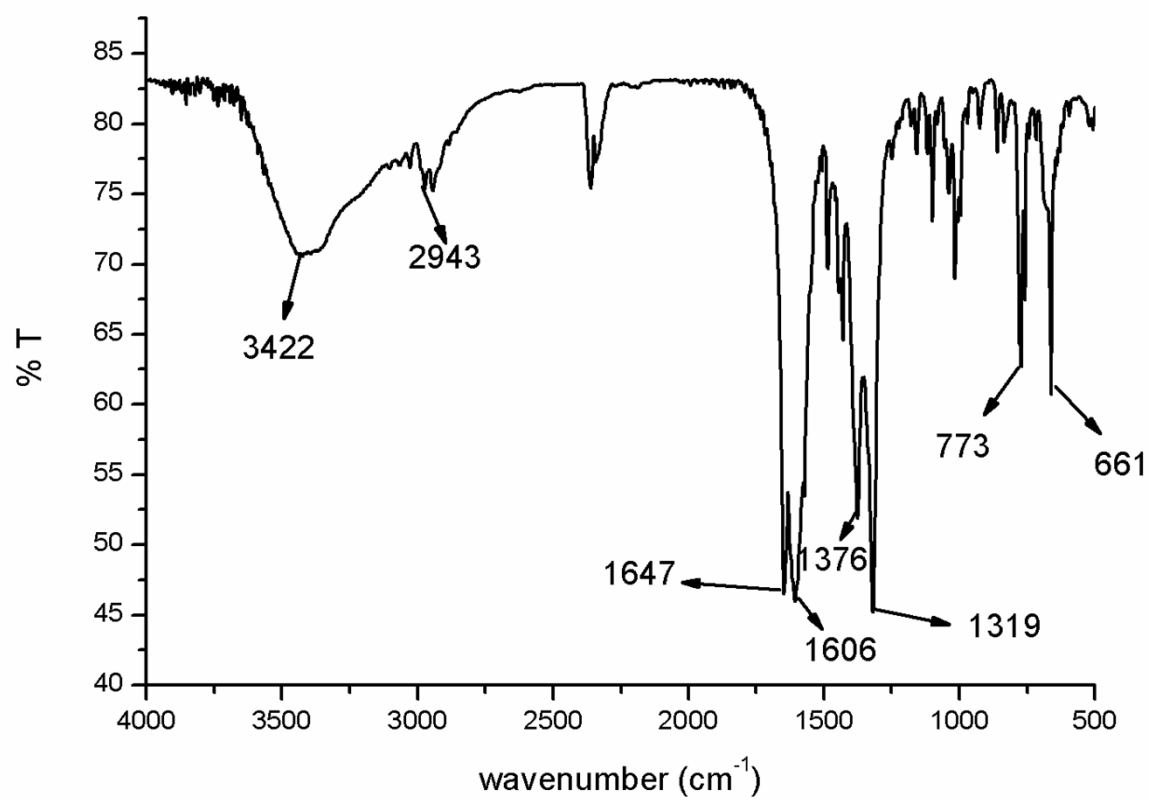


Fig S5. FTIR spectrum of **3**.

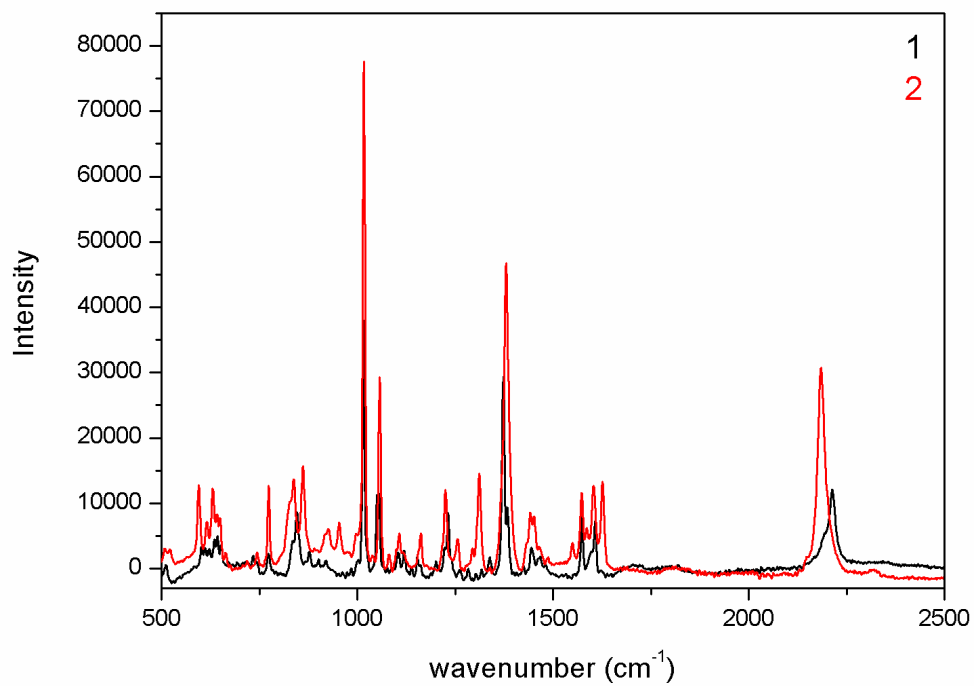


Fig S6. Raman spectra of **1** and **2**.

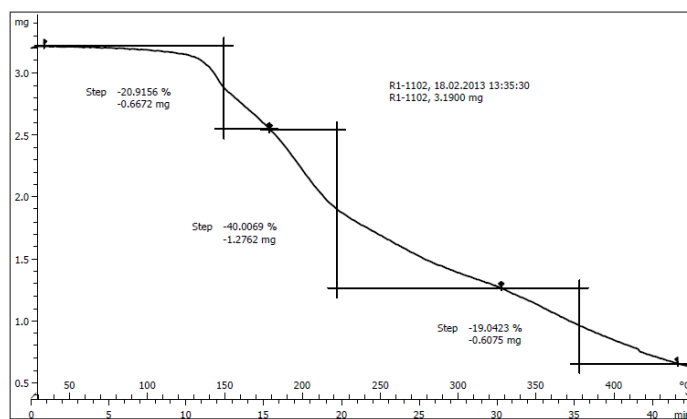


Fig S7. TGA scan for **1**.

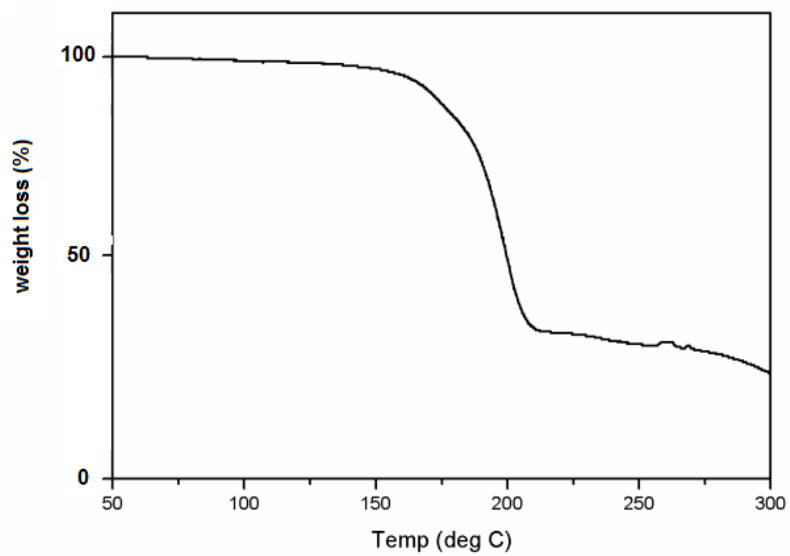


Fig S8. TGA scan for **2**.

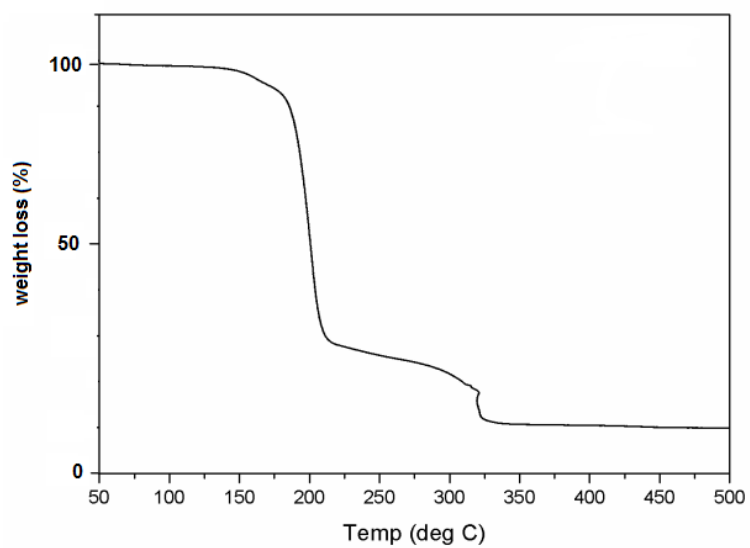


Fig S9. TGA scan for **3**.

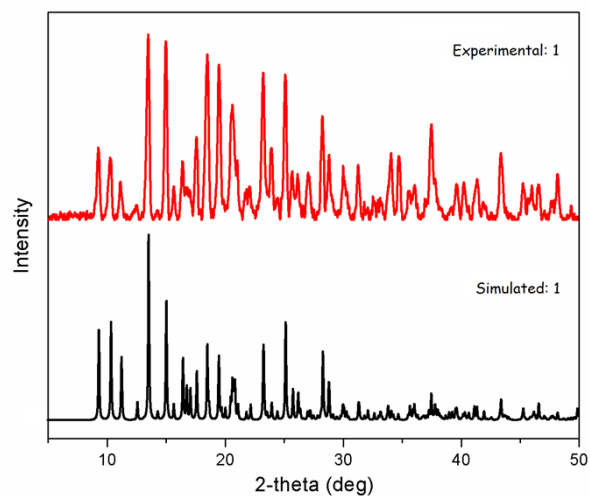


Fig. S10 Experimental and simulated powder patterns for **1**.

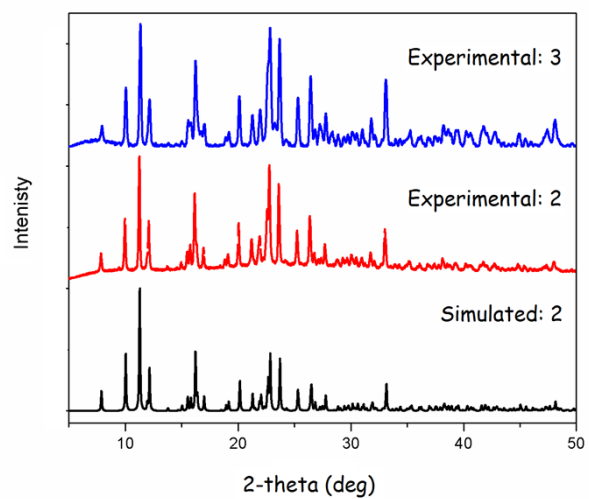


Fig. S11 Experimental and simulated powder patterns for **2** and **3**.

Table S1. Selected Bond distances and Bond angles for **1** and **2**.^a**Bond distances (Å)****1**

Mn1-O4	2.1129(12)	Mn1-O2	2.1636(11)
Mn1-O5	2.1927(14)	Mn1-N1	2.3030(14)
Mn1-N3	2.3175(15)	Mn1-N2	2.3239(14)
C14-C15	1.194(2)		

2

Mn1-O2 ^{#1}	2.107(2)	Mn1-O3	2.113(2)
Mn1-O1	2.142(2)	Mn1-N2	2.258(3)
Mn1-N3	2.284(3)	Mn1-N1	2.358(3)
C2-C3	1.199(4)		

#1 -x+1, -y+1, -z+2

Bond angles (degree)**1****2**

O4-Mn1-O2	101.51(5)	O2 ^{#2} -Mn1-O3	95.64(10)
O2-Mn1-O5	84.41(5)	O3-Mn1-O1	93.24(9)
O2-Mn1-N1	169.69(5)	O3-Mn1-N2	168.31(9)
O4-Mn1-N3	100.34(5)	O2 ^{#2} -Mn1-N3	90.88(10)
O5-Mn1-N3	155.85(5)	O1-Mn1-N3	167.21(9)
O4-Mn1-N2	155.89(5)	O2 ^{#2} -Mn1-N1	160.95(10)
O5-Mn1-N2	90.94(6)	O1-Mn1-N1	94.29(9)
N3-Mn1-N2	73.73(5)	N3-Mn1-N1	72.93(9)
O4-Mn1-O5	100.96(6)	O2 ^{#2} -Mn1-O1	101.78(9)
O4-Mn1-N1	86.81(5)	O2 ^{#2} -Mn1-N2	95.37(10)
O5-Mn1-N1	88.07(6)	O1-Mn1-N2	88.36(9)
O2-Mn1-N3	80.31(5)	O3-Mn1-N3	87.23(9)
N1-Mn1-N3	104.37(5)	N2-Mn1-N3	88.68(9)
O2-Mn1-N2	100.46(5)	O3-Mn1-N1	93.58(9)
N1-Mn1-N2	72.57(5)	N2-Mn1-N1	74.75(9)
C14-C15-C16 ^{#1}	177.73(18)	C3-C2-C1	177.3(3)
C15-C14-C13	177.94(18)	C2-C3-C4 ^{#2}	176.7(4)
		C3-C2-C1	177.3(3)

#1 -x, -y+2, -z+1

#2 -x+2, -y+1, -z+2

^aNumbers in parenthesis are estimated standard deviations in the last significant digits.