Electronic Supplementary Material (ESI) for CrystEngComm.

Supplementary material

On the importance of $RH_3C\cdots N$ tetrel bonding interactions in the solid state of a dinuclear zinc complex with a tetradentate Schiff base ligand

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Table S1: Crystal data and refinement details of the complex

Formula	$C_{18}H_{31}N_{11}O_5S_2Zn_2$
Formula Weight	676.44
Temperature (K)	273
Crystal System	Triclinic
Space group	*P-1*
a (Å)	9.2129(9)
b (Å)	9.9156(10)
c (Å)	17.7795(18)
α (˚)	80.589(3)
β (˚)	77.092(3)
γ (˚)	64.355(3)
V(Å^3)	1423.1(2)
Z	2
d_{cal} (g cm^{-3})	1.579
μ(mm^{-1})	1.882
F(000)	696
Total reflection	39040

Unique Reflections	5066
Observe data[I>2σ(I)]	4579
R(int)	0.0409
R1, *w*R2 (all data)	0.0322, 0.0751
R1, *w*R2 [I>2σ(I)]	0.0280,0.0718
Residual Electron Density (eÅ^{-3})	0.0373, -0.508

Table S2: Selected bond lengths (Å) of the complex

Zn(1)-O(2)	2.1460(18)
Zn(1)-O(3)	2.1173(17)
Zn(1)-O(4)	2.1160(18)
Zn(1)-N(1)	2.266(2)
Zn(1)-N(2)	2.071(2)
Zn(1)-N(3)	2.146(2)
Zn(2)-O(4)	1.979(2)
Zn(2)-O(5)	2.361(2)
Zn(2)-N(3)	2.153(2)
Zn(2)-N(6)	1.955(5)
Zn(2)-N(9)	1.966(3)

Table S3: Selected bond angles (°) of the complex.

O(2)-Zn(1)-O(3)	172.38(7)	N(1)-Zn(1)-N(3)	115.90(8)
O(2)-Zn(1)-O(4)	95.31(7)	N(2)-Zn(1)-N(3)	161.39(8)
O(2)-Zn(1)-N(1)	88.84(7)	O(4)-Zn(2)-O(5)	72.21(8)
O(2)-Zn(1)-N(2)	89.23(8)	O(4)-Zn(2)-N(3)	79.81(8)
O(2)-Zn(1)-N(3)	88.45(8)	O(4)-Zn(2)-N(6)	123.01(16)
O(3)-Zn(1)-O(4)	90.52(7)	O(4)-Zn(2)-N(9)	122.34(10)
O(3)-Zn(1)-N(1)	86.57(7)	O(5)-Zn(2)-N(3)	151.74(8)
O(3)-Zn(1)-N(2)	96.20(8)	O(5)-Zn(2)-N(6)	92.34(16)
O(3)-Zn(1)-N(3)	88.09(8)	O(5)-Zn(2)-N(9)	86.45(10)

O(4)-Zn(1)-N(1)	166.59(7)	N(3)-Zn(2)-N(6)	106.41(15)
O(4)-Zn(1)-N(2)	84.81(8)	N(3)-Zn(2)-N(9)	105.77(10)
O(4)-Zn(1)-N(3)	77.04(8)	N(6)-Zn(2)-N(9)	110.42(17)
N(1)-Zn(1)-N(2)	82.50(8)		