

Supplementary Materials: Synthesis, Crystal Structures and Magnetic Properties of Trinuclear $\{Ni_2Ln\}$ ($Ln^{III} = Dy, Ho$) and $\{Ni_2Y\}$ Complexes with Schiff Base Ligands

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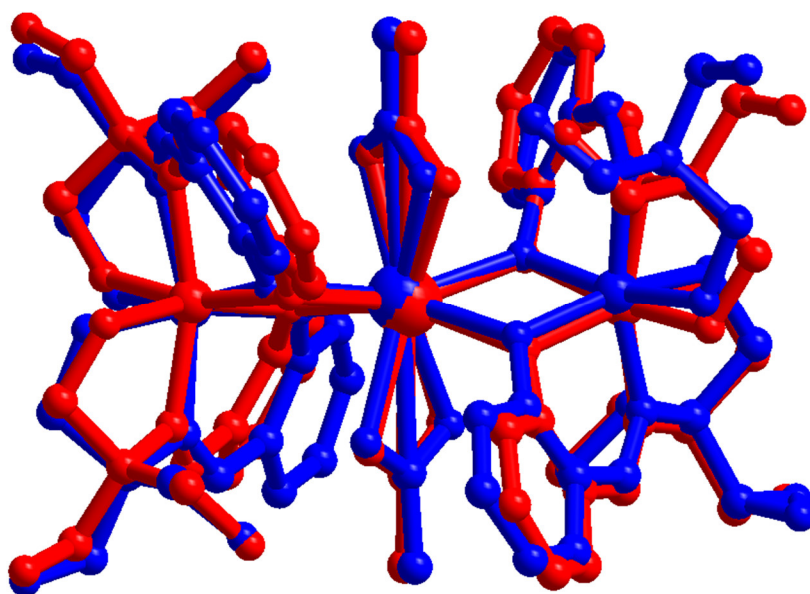


Figure S1. Overlay diagrams of $\{Ni_2Tb\}$ (red, ref 19) and **1** (blue, present work).

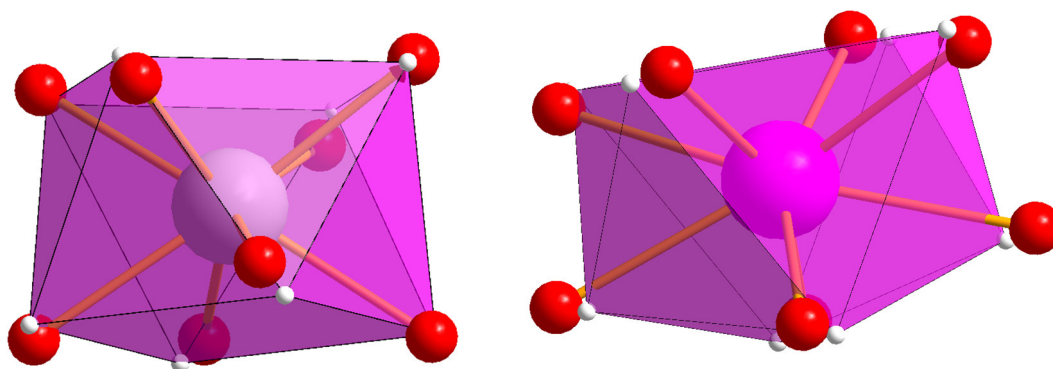
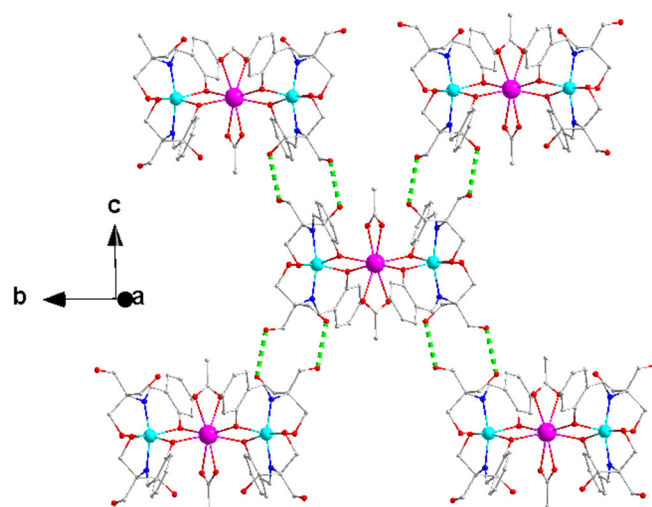
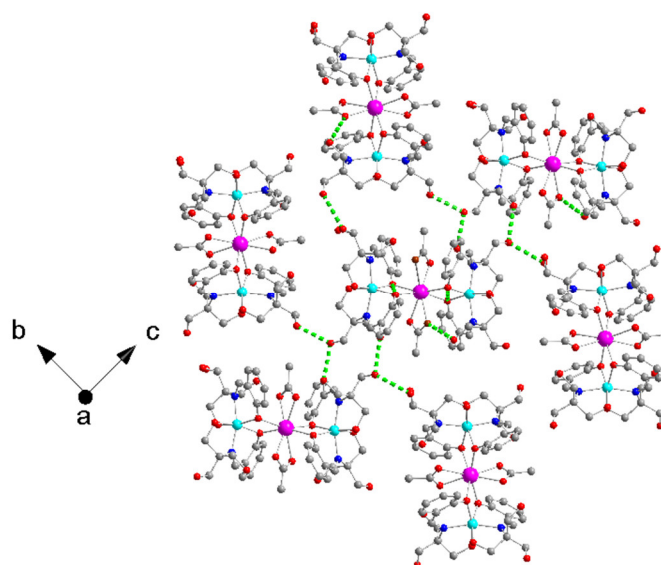


Figure S2. Square antiprism polyhedron of $\{Ni_2Tb\}$ (left image, 19) and biaugmented trigonal prism one for **1** (right).



(a)



(b)

Figure S3. (a) Packing of complexes in the structure of $\{Ni_2Tb\}$ and (b) in the structure of **1**.**Table S1.** CShM parameters for the polyhedrons around the lanthanide ion in $\{Ni_2Tb\}$ and **1-3**.

	CShM values			
	$\{Ni_2Tb\}$	1	2	3
SAPR-8	3.09989	3.20060	3.24598	3.14649
BTPR-8	3.54127	2.88485	2.82977	2.83450