

Tetranuclear Stiboxanes, (RSb)₄O₆ Exhibiting an Adamantane-type Structure

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Supplementary Information

Ortep diagrams of compound 2&4:

N–H····O and N–H···· π (of electron rich oxyphenyl) interactions present in compound 3&4:

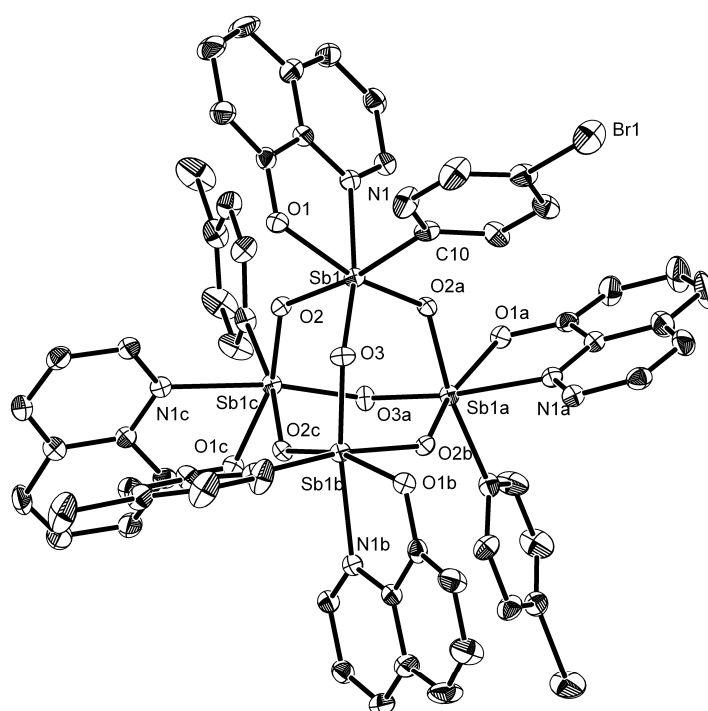


Figure 1: Molecular structure of **2** with thermal ellipsoids shown at 30% probability.

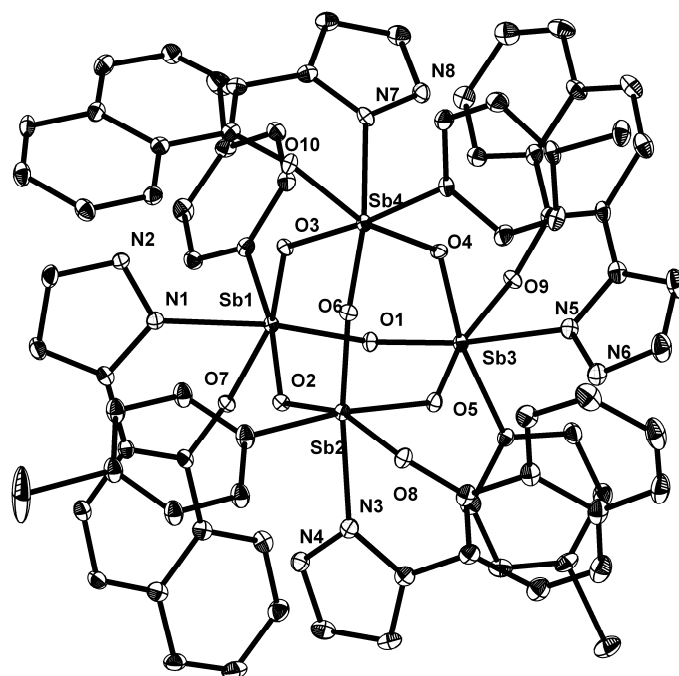


Figure 2: Molecular structure of **4** with thermal ellipsoids shown at 30% probability. A molecule of free ligand, solvent (toluene) that cocrystallized with **4** has been removed for clarity.

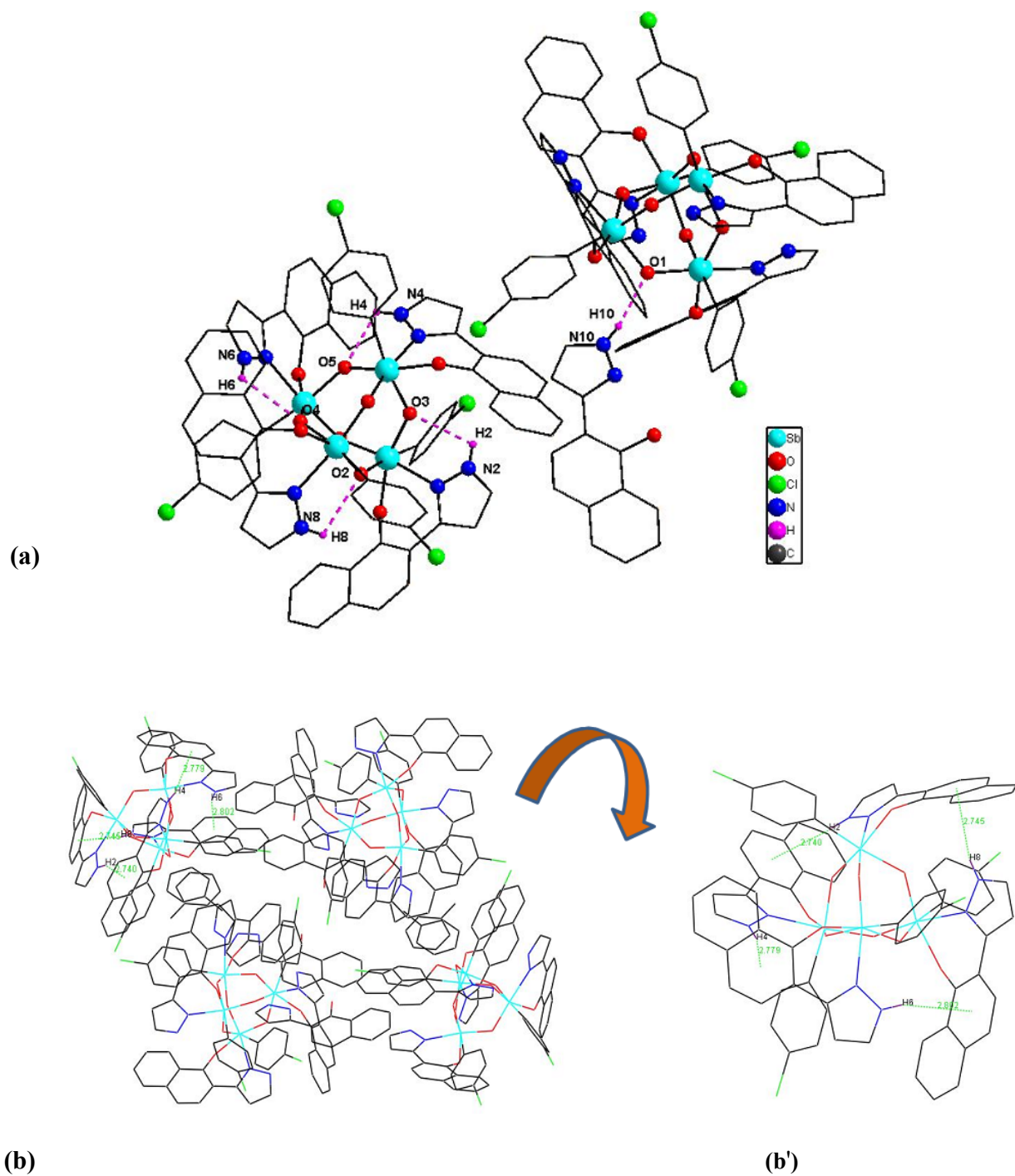
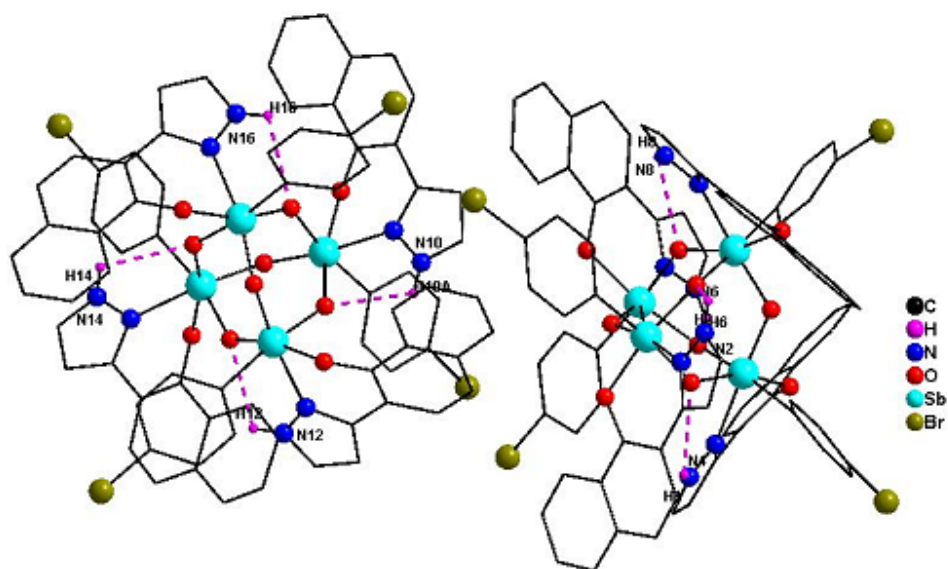
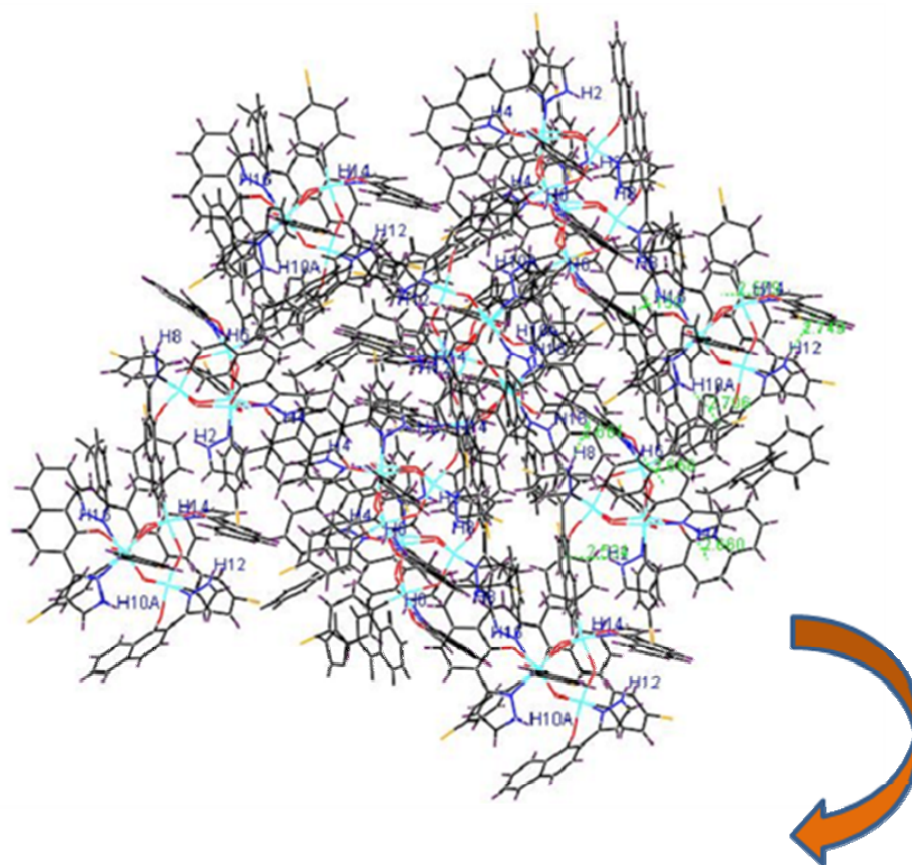


Figure 5: (a) N–H $\cdots$ O supramolecular interactions for compound **3**, (b) N–H $\cdots$ π (π = centroid of the electron rich oxyphenyl) interaction for compound **3**, (b') observation of N–H $\cdots$ π interactions in particular unit from crystal packing.



(a)



(a')

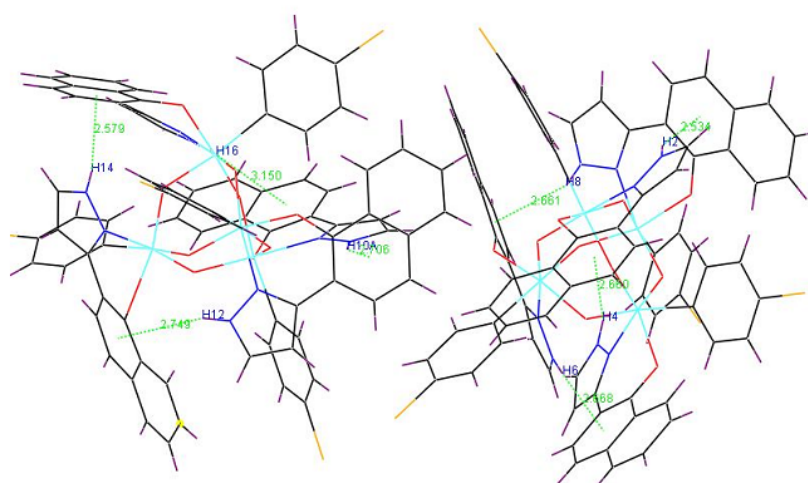


Figure 7: (a) N–H $\cdots\pi$ (π = centroid of the electron rich oxyphenyl) interaction for compound **4**, (a') observation of N–H $\cdots\pi$ interactions in particular unit from crystal packing.