



STRUCTURAL
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Supporting information for article:

Design and synthesis of methyl 2-[[4-phenyl-5-(pyridin-2-yl)-4*H*-1,2,4-triazol-3-yl]sulfanyl]acetate (phpy2NS) as ligand for complexes of Group 12 elements: structural assessment and hydrogen-bond supramolecular assembly analysis

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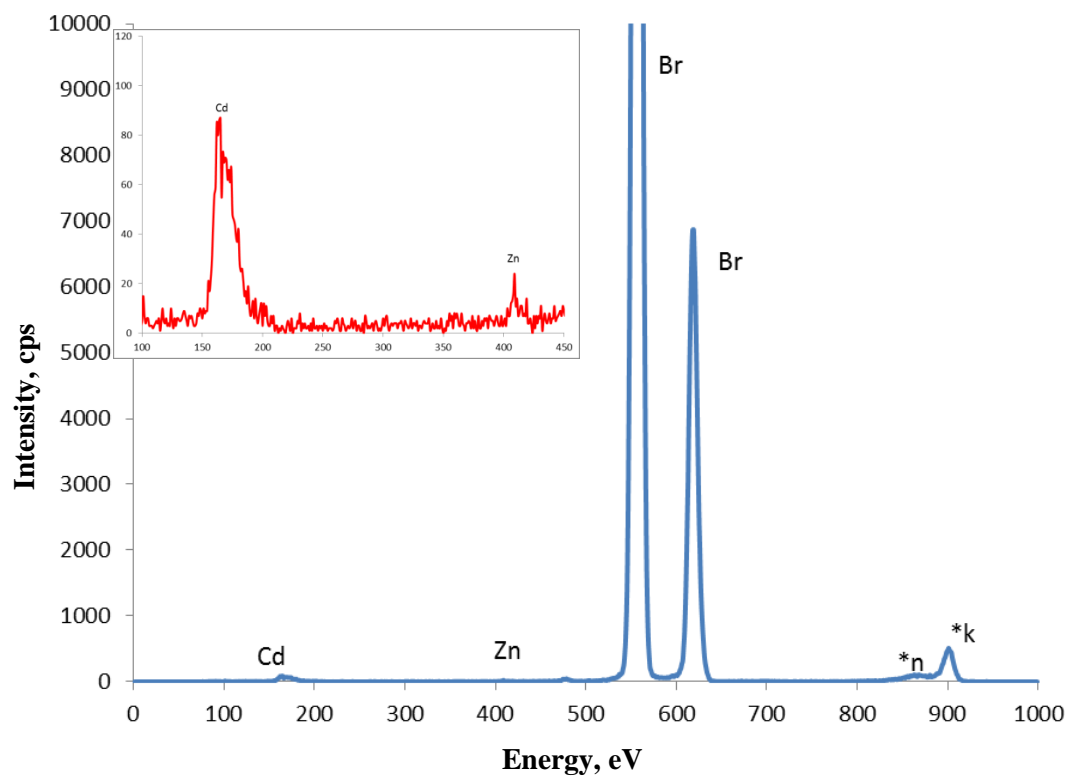
Figure S1. X-ray fluorescence spectrum of compound (3). Inset: plot for Cd^{2+} and Zn^{2+} .

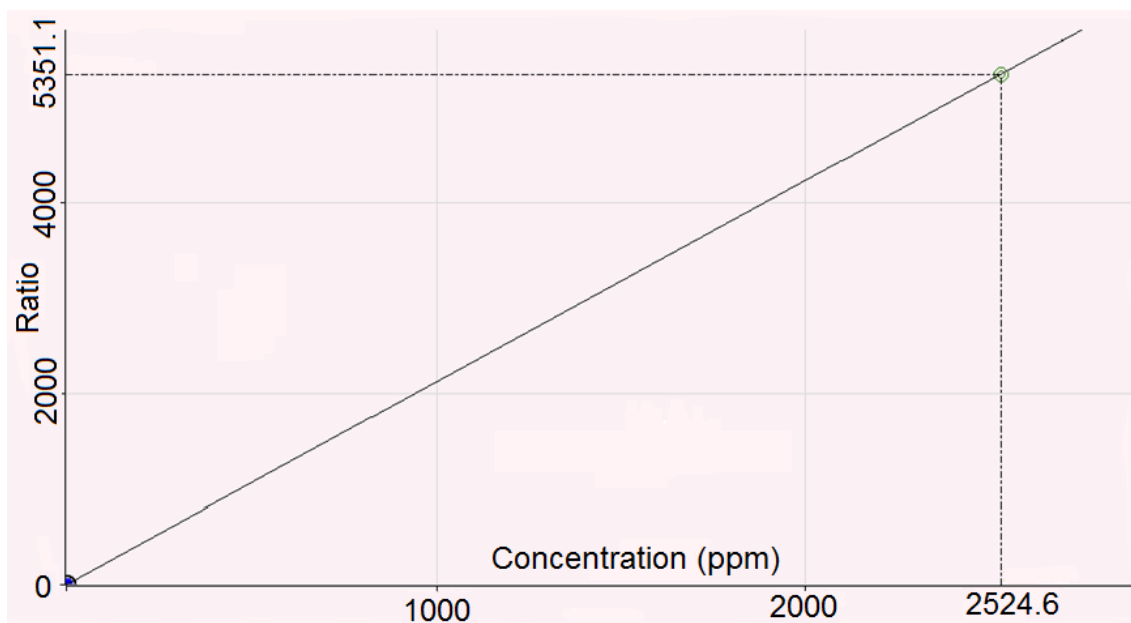
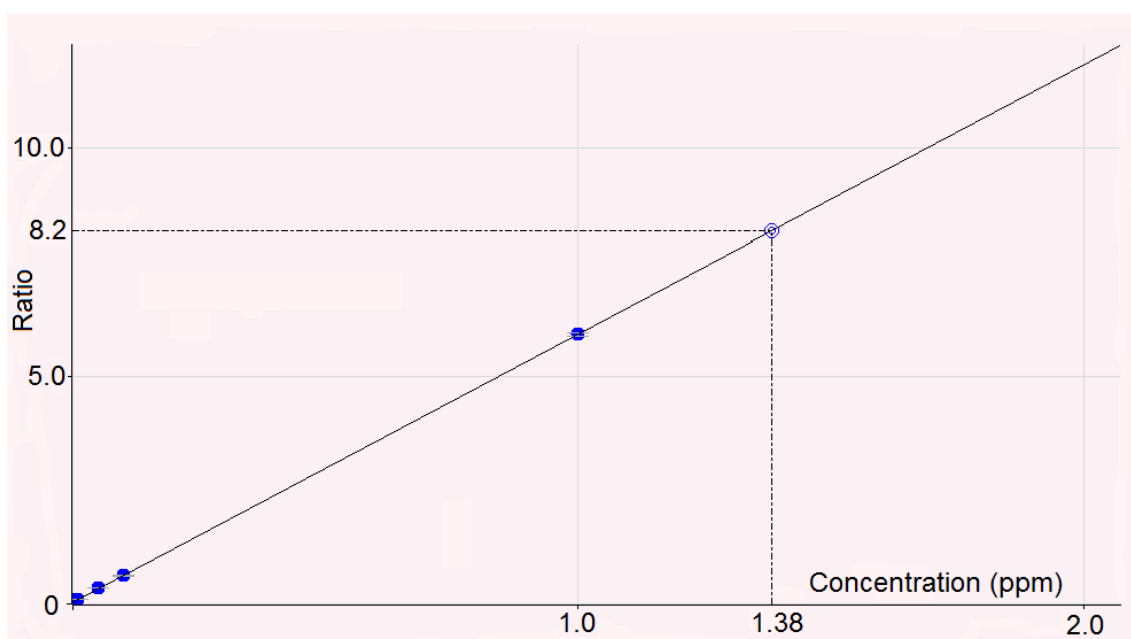
Figure S2a. ICP-MS calibration curve for ^{111}Cd (a) in the compound (3).**Figure S2b.** ICP-MS calibration curve for ^{66}Zn in the compound (3).

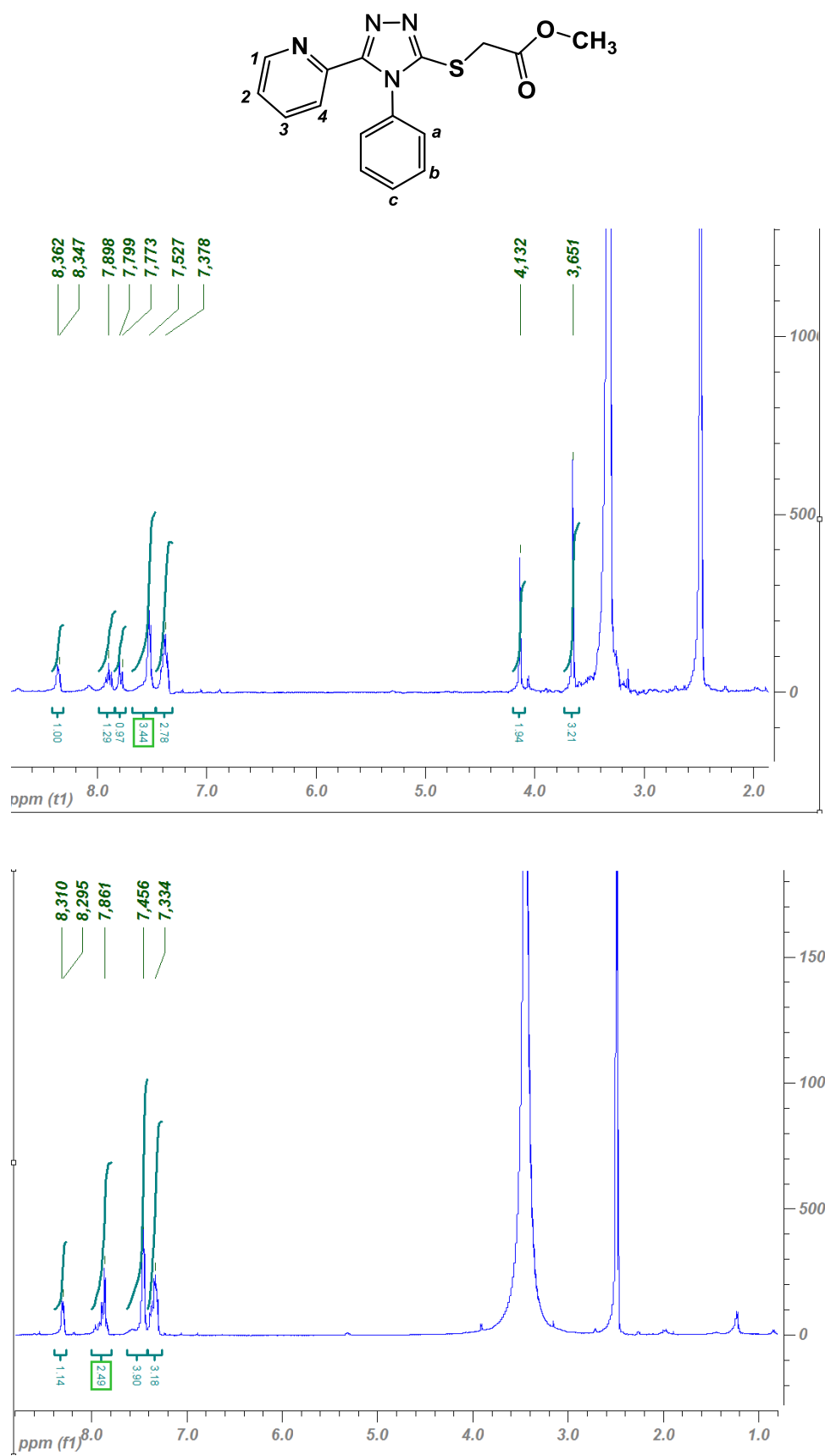
Figure S3. ^1H NMR spectra of the compounds 3 and 4.

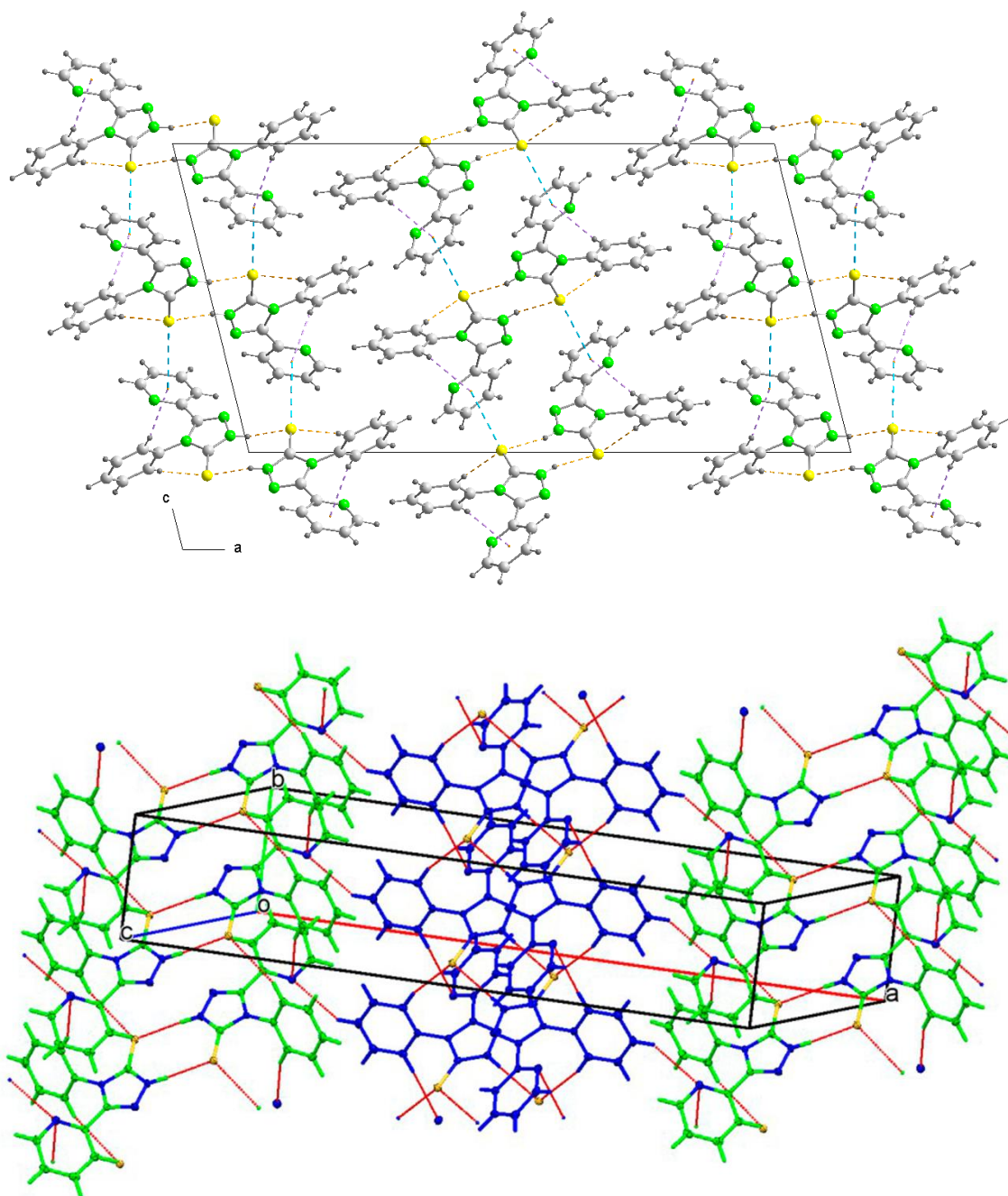
Figure S4. View of an extended supramolecular arrangement in **(1)**.

Figure S5. View of an extended supramolecular arrangement in (3).