One-di mensional Coordination Polymers Generated from Orga nosulfur Ligand: Synthesis, Structure, Flu orescence and Magnetic Properties WANG Lei1,2, SUN Jin-Xu1

, DONG Wen Jun2

, SHI Zhan, FENG Shou-Hua2* 1. Key Laboratory of Eco-chemical Engineering, Ministry of Education, College of Chemistry and Molecular Engineering, Qingdao University of Science and Technology, Qingdao 266042, China; 2. State Key Laboratory of Inorganic Synthesis and Preparative Chemistry, College of Chemistry, Jilin University, Changchun 130012, China Abstract: Two new one-dimensional(1D) coordination polymers [M(2 mercapto 5 methyl 1,3,4 thiadiazole)2]n

[M=Zn(1), Co(2)], were synthesized under solvothermal conditions and characterized by single crystal X-ray diffraction, FTIR, elemental analysis, and thermogravimetric analysis. Both two compounds crystallize in the monoclinic space group C2/c with analogous structures, in which the metal center exhibit distorted tetrahedral coordination geometries. The deprotonated 2-mercapto 5 methyl 1,3,4 thiadiazole molecule as a Keywords: Coordination polymer M(2-mercapto 5 methyl 1,3,4 thiadiazole)2

(M=Zn, Co) Crystal structure Magnetic property Organosulfur ligand 1. Min K. S., Suh M. P.. Chem. Eur. J.[J], 2001, 7(29): 303-313 1 ugg online ugg boots online buy ugg boots ugg boots sale ugg boots us cardy ugg boots Ugg cardy tall ugg ugg tall boots ugg knightsbridge boots ugg boots UGG Ugg Boots Discount Ugg Cheap Uggs Ugg Boots Cheap Ugg Boots On Sale Cheap Ugg Boots Ugg Shoes Sale Knightsbridge Boots Ugg Cardy Ugg Classic Cardy Ugg 5815 Ugg Cheap Uggs Uggs Boots Ugg Shoes Ugg UK Ugg Sale Ugg Boots Sale Australia Ugg Boots Ugg Boots Australia Cheap Ugg Boots Ugg Knightsbridge Sale Ugg Bailey Boots Ugg Cardy Ugg 5815

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