## **Supporting Information**

A novel one-dimensional double-chainlike structure of Zn(II) coordination polymer:  $Poly\{bis(1-benzylimidazole-\kappa N)-\mu-dicyanoargento(I)-\kappa^1N:\kappa^2N-(dicyanoargento(I)-\kappa N)-zinc(II)\}$ 

Pattiya Krinchampa<sup>a</sup>, Kittipong Chainok<sup>b</sup>, Siriporn Phengthaisong<sup>c</sup>, Sujittra Youngme<sup>c</sup>, Filip Kielar<sup>d</sup>, and Nanthawat Wannarit<sup>a,\*</sup>

<sup>a</sup> Department of Chemistry, Faculty of Science and Technology, Thammasat University, Pathumthani 12121, Thailand

<sup>b</sup> Department of Physics, Faculty of Science and Technology, Thammasat University, Pathumthani 12121, Thailand

<sup>c</sup> Materials Chemistry Research Unit, Department of Chemistry and Center of Excellence for Innovation in Chemistry, Faculty of Science, Khon Kaen University, Khon Kaen 40002, Thailand

<sup>d</sup> Department of Chemistry, Faculty of Science, Naresuan University, Phitsanulok 65000, Thailand

Correspondence e-mail: <a href="mailto:nwan0110@tu.ac.th">nwan0110@tu.ac.th</a>

Fax-number: +66-2-5644483

Telephone number: +66-2-5644440 to 59 ext. 2401

## **Figure Caption**

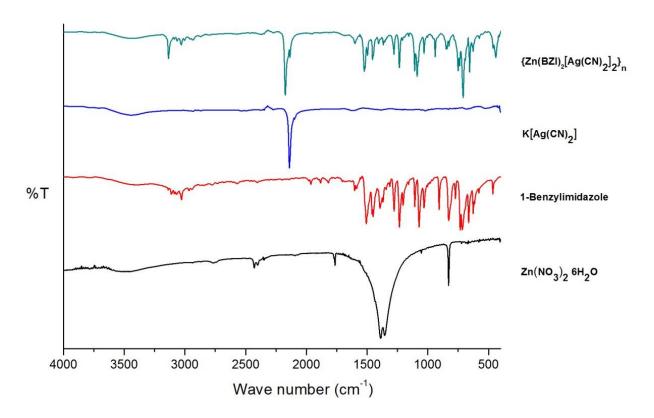


Figure S1 IR spectra of compound (I) and relevant chemical reactants.

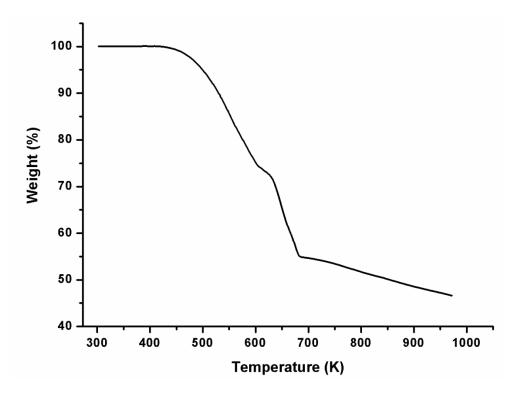


Figure S2 TGA curve of compound (I)