

Electronic Supplementary Information for MS:

Zinc(II) Nitrite Coordination Polymers Based on Rigid and Flexible Organic Nitrogen Donor

**Maryam Ghoreishi Amiri¹, Ghodrat Mahmoudi¹, Ali Morsali^{*1}, Allen D. Hunter²
and Matthias Zeller²**

¹ Department of Chemistry, Faculty of Sciences, Tarbiat Modares University, P.O. Box
14115-175, Tehran, Islamic Republic of Iran

² Department of Chemistry, Youngstown State University, One University Plaza, P.O.
Box 44555-3663, Youngstown, Ohio, USA

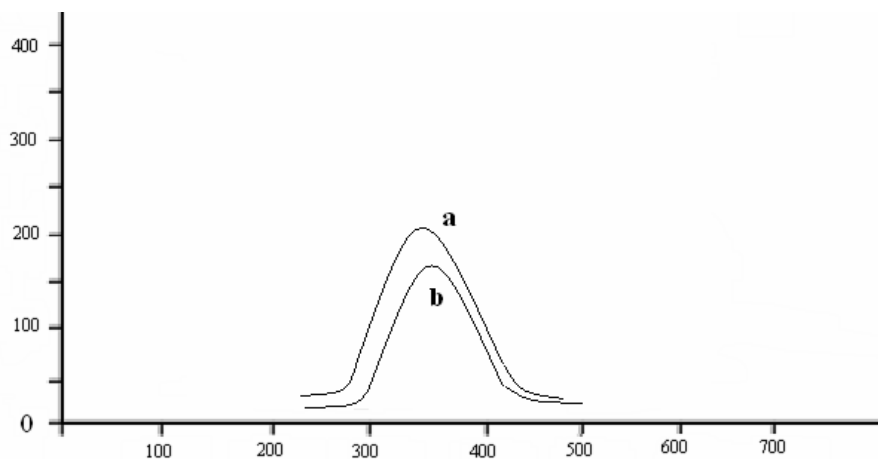


Fig. S1. Fluorescence spectra for ligand 4,4'-bipy (**a**) and [Zn(μ-4,4'-bipy)(NO₂)₂]_n (**1**) (**b**). Solvent: MeOH, Room temperature, $\lambda_{\text{exc}}=300$ nm.

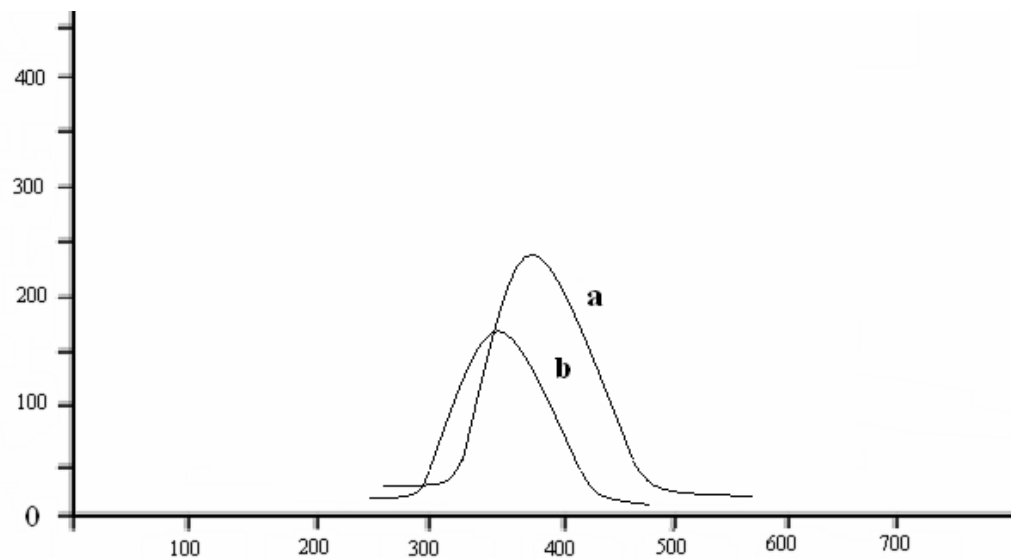


Fig. S2. Fluorescence spectra for ligand bpa (**a**) and $[\text{Zn}(\mu\text{-bpa})(\text{NO}_2)_2]_n$ (**2**) (**b**). Solvent: MeOH, Room temperature, $\lambda_{\text{exc}}=300$ nm.

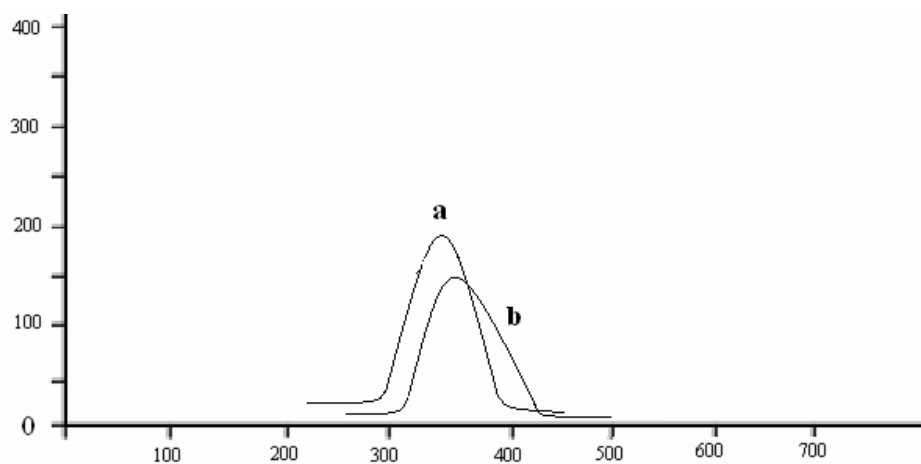


Fig. S3. Fluorescence spectra for ligand bpp (**a**) and [Zn(μ -bpp)(NO₂)₂]_n (**4**) (**b**). Solvent: MeOH, Room temperature, λ_{exc} =300 nm.

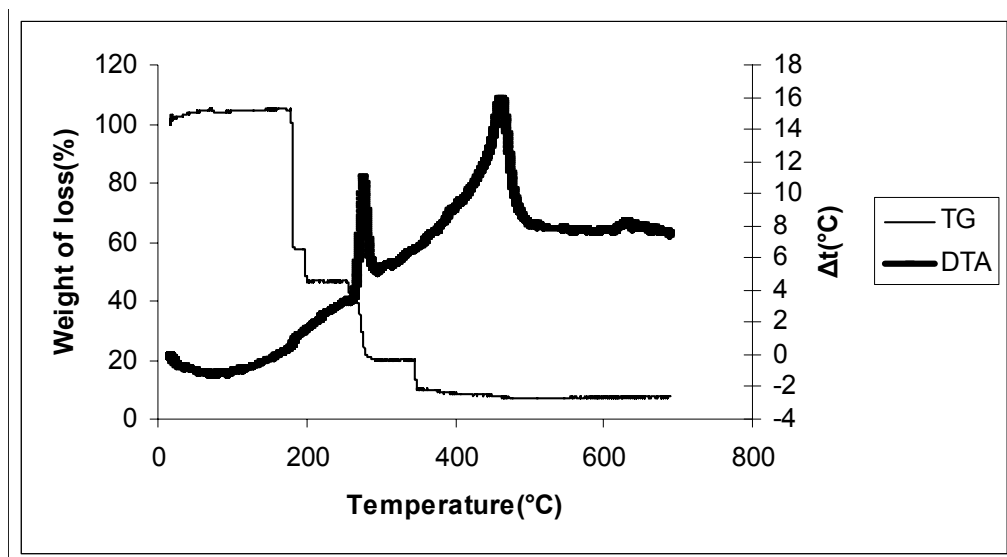


Fig. S4. Thermal behaviour of $[\text{Zn}(\mu\text{-bpa})(\text{NO}_2)_2]_n$ (2).

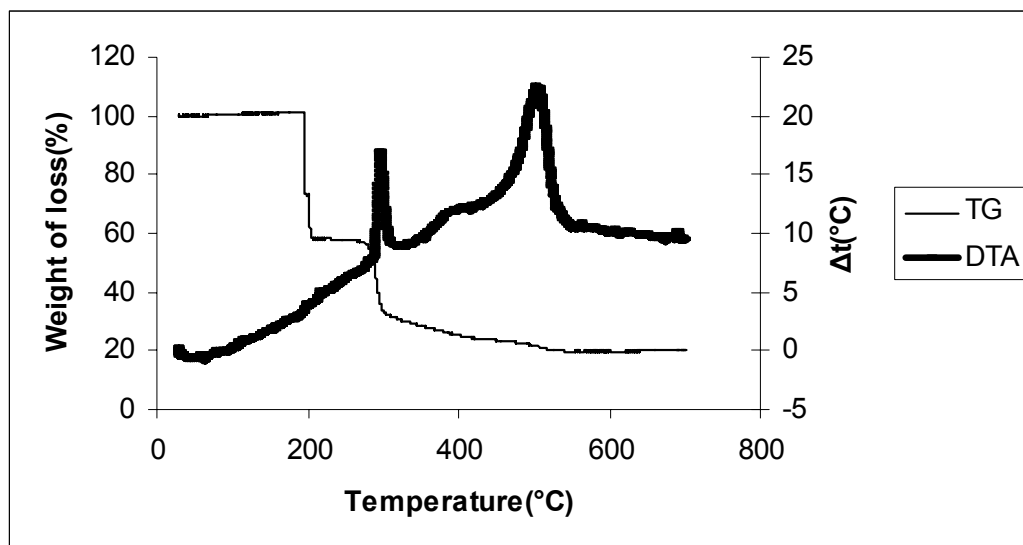


Fig. S5. Thermal behaviour of $[\text{Zn}(\mu\text{-bpe})(\text{NO}_2)_2]_n$ (3).

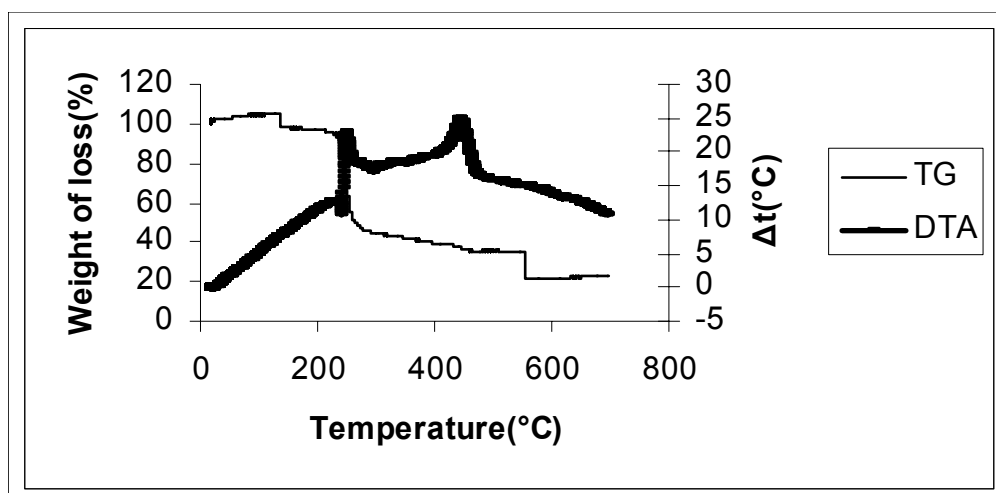


Fig. S6. Thermal behaviour of [Zn(μ-3-bpdb)(NO₂)₂]_n·H₂O (6).