## **Electronic Supplementary Information**

## Lanthanide (III) Morpholine 4-Dithiocarbamate Complexes: Pr(III) Derivative Shows First Example of Polymeric Lanthanide(III) Dithiocarbamate

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Figure S1: Fragment of 1D polymer of 1.



*Figure S2: Molecular packing of* **1** *within the unit cell viewed along crystallographic b axis.* 



*Figure S3: Molecular packing of 2 within the unit cell viewed along crystallographic b axis.* 



*Figure S4: Molecular packing of 3 within the unit cell viewed along crystallographic b axis.* 



Figure S5: UV-vis spectra of Mph-Dtc and phenanthroline ligands in acetonitrile.



Figure S6: Solid state diffuse reflectance spectra of 1.



Figure S7: Solid state diffuse reflectance spectra of 2.



Figure S8: Solid state diffuse reflectance spectra of 3.