Electronic Supporting Information

Thiocyanato and Azido Coordination Induced Structural Diversity in Zinc(II) Complexes with Schiff Base Containing Tetrahydrofuran Group: Synthesis, Characterization, Crystal Structure and Fluorescence Study

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Scheme S1. Synthesis of ligand HL

Figure S1. Comparative FTIR spectra of 1, 2 and 3.
Figure S2. Experimental powder X-ray diffraction patterns for 1, 2 and 3.
Figure S3. Simulated powder X-ray diffraction patterns for 1 (above), 2 (middle) and 3 (below).
Figure S4. Hydrogen bonding interactions connecting two water and two perchloric acid molecules in 1.

Figure S5. Core structure of complex 2 with edge sharing square pyramidal environment.
**Figure S6.** Basic unit of complex 3 with atom number scheme. Color code. C, teal; H, white, N, blue; O, red; Zn, pink. Symmetry code: $* = (-x, -y, -z)$.

**Figure S7.** Core structure of complex 3 with vertex sharing octahedral followed by tetrahedral units.