Supplementary materials

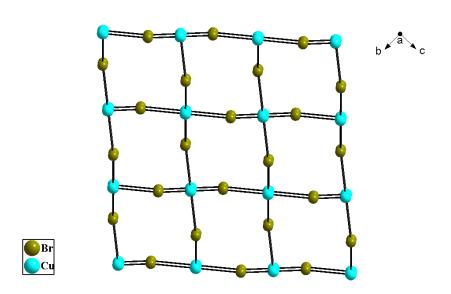
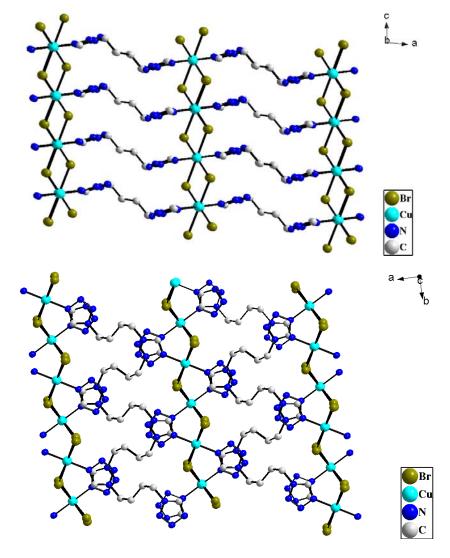


Figure S1. 2-D grid-like CuBr₂ SBUs in **2**.



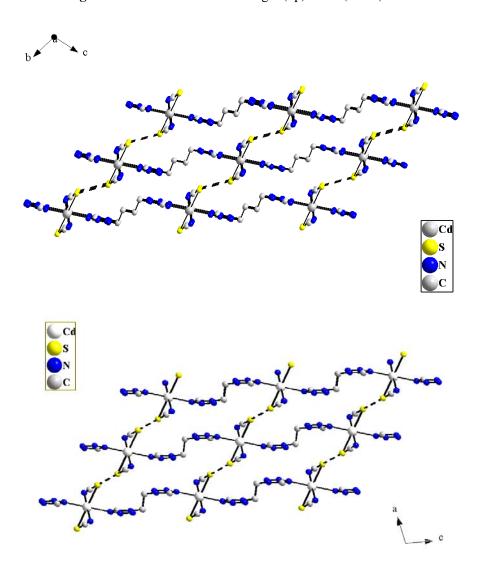


Figure S2. 3-D networks of **2** along b (up) and c (down) axis.

Figure S3. 3-D supramolecular networks of 3 (up) and 4 (down) extended by weak intermolecular

S···S interactions.

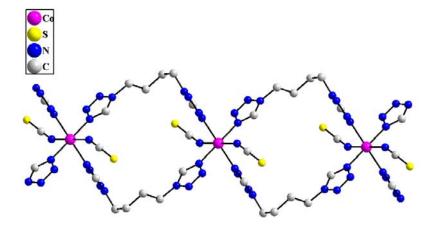


Figure S4. A 1-D chained structure of **6**.

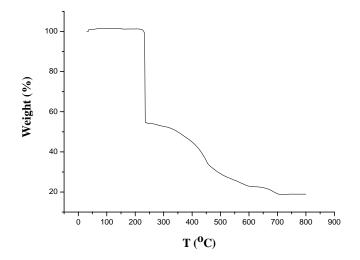


Figure S5. TG curve of 5.