

Supporting materials

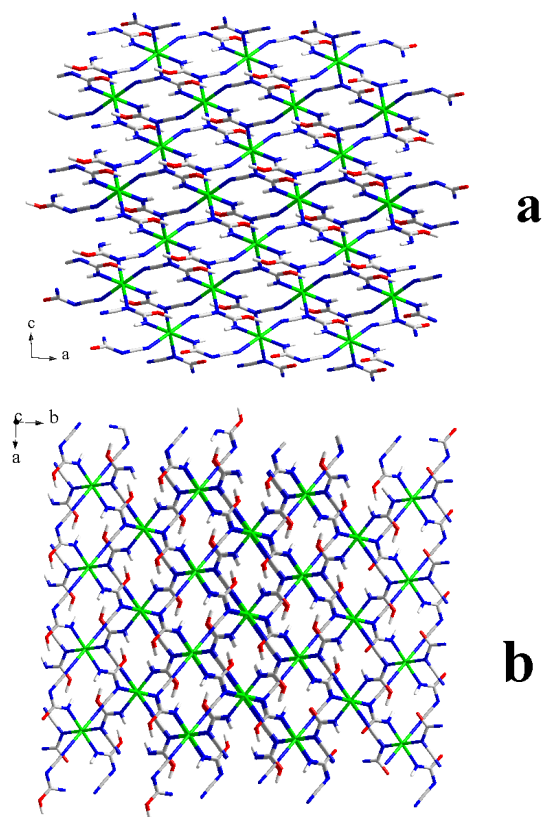
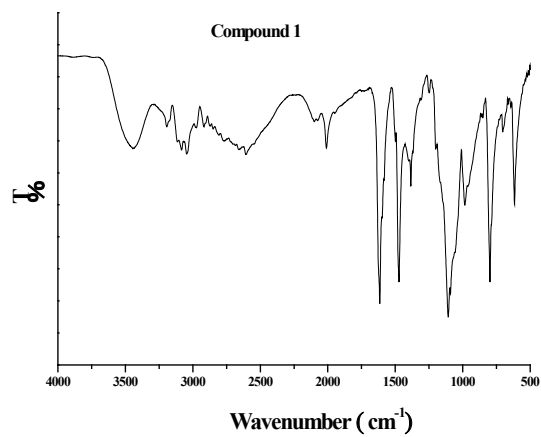
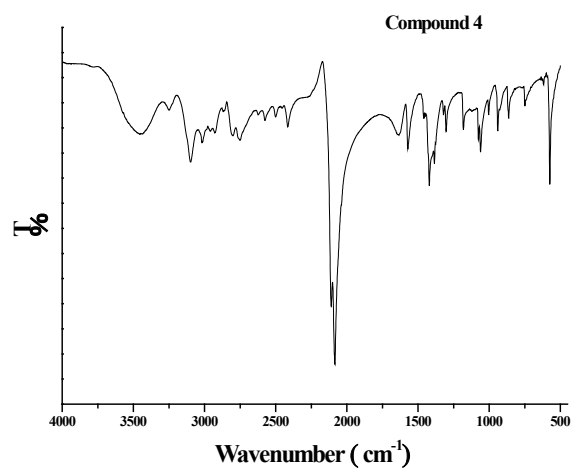
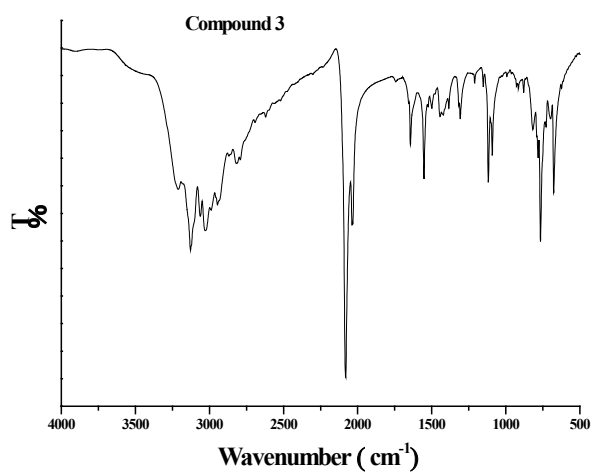
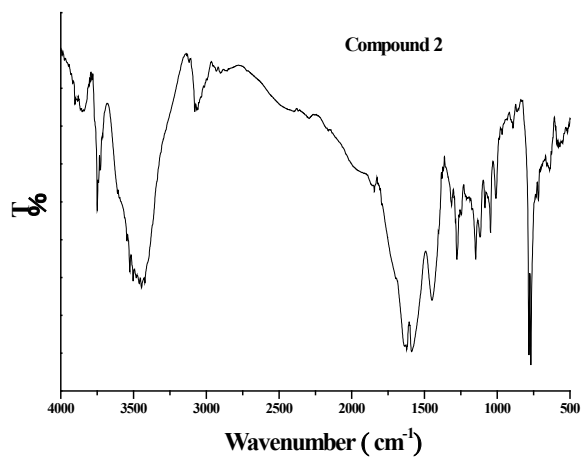


Fig. S1 The projection plots in (010) (a) and (001) directions (b) for compound 5.





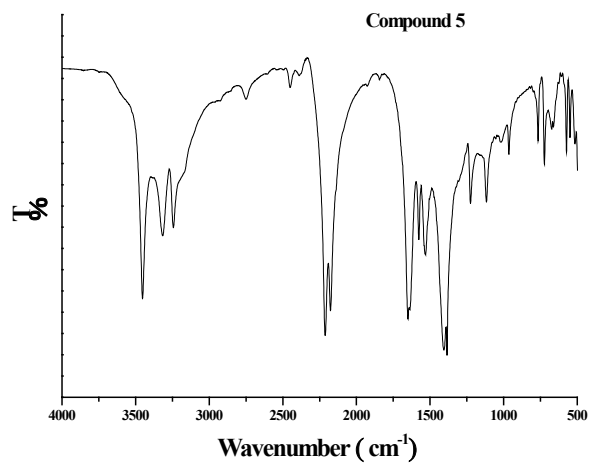
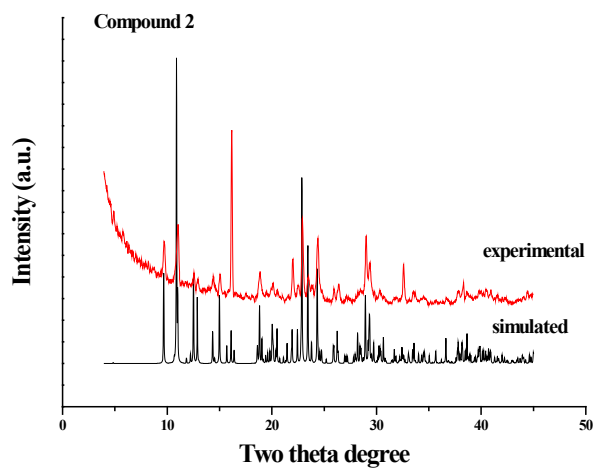
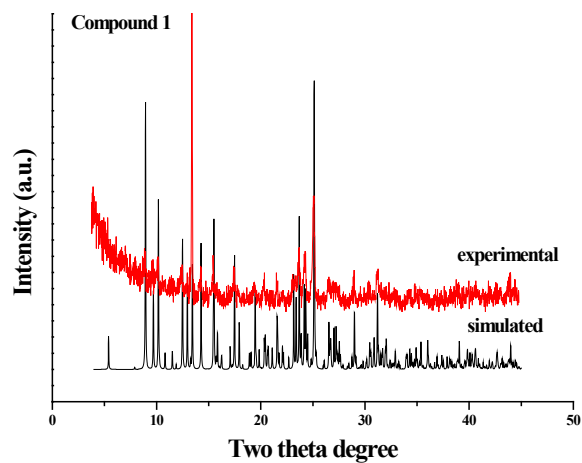


Fig. S2 The IR spectra of compounds 1-5.

Note: The weak peak at 2011 cm^{-1} in the IR spectrum of compound 1 should be irrelative to SeCN^+ , because, $\nu(\text{CN})$ is generally rather stronger, and larger than 2050 cm^{-1} .



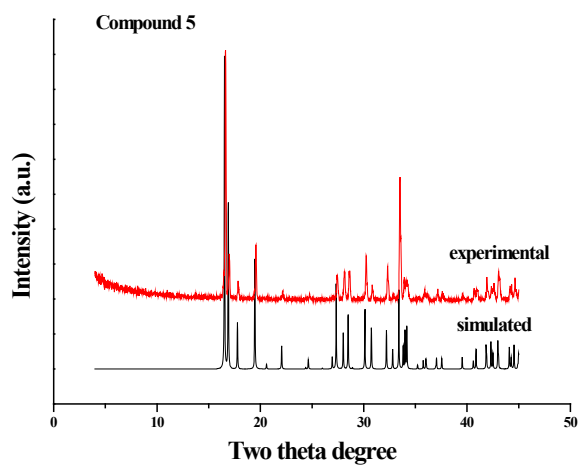
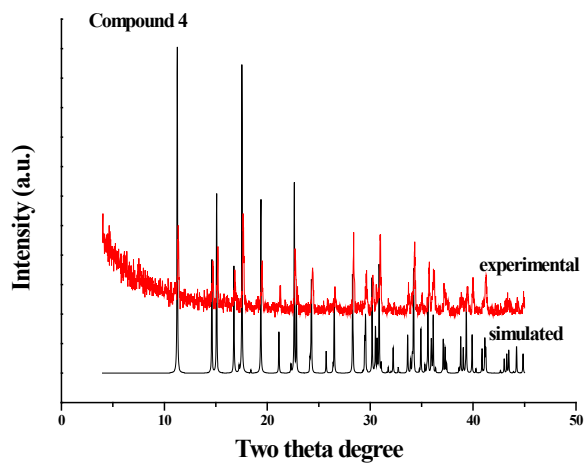
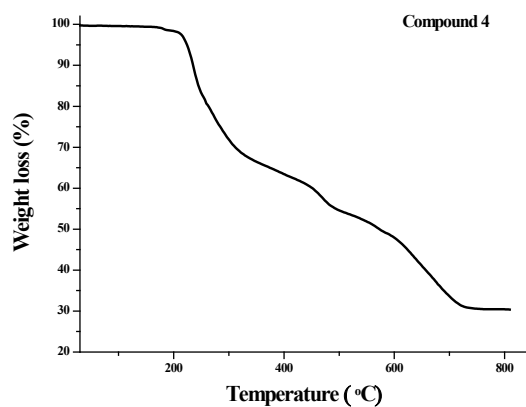


Fig. S3 The experimental (red) and simulated (black) powder XRD patterns for the title compounds.



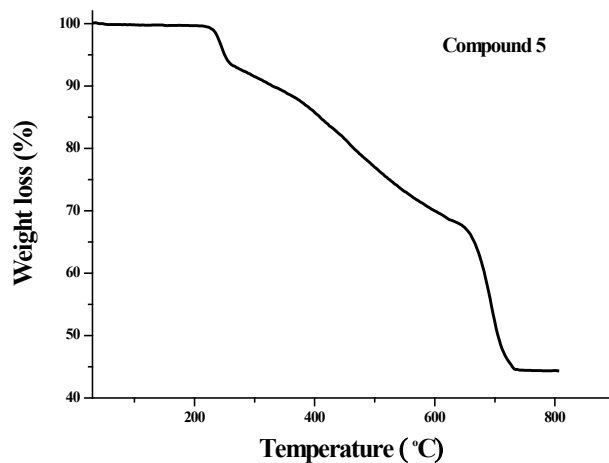
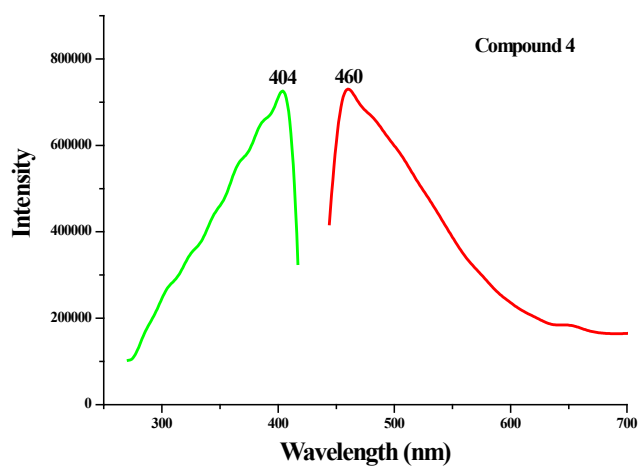
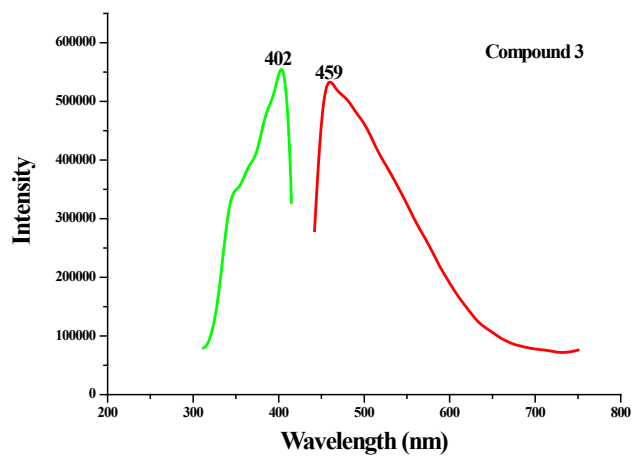


Fig. S4 The TG curves of compounds 4 and 5.



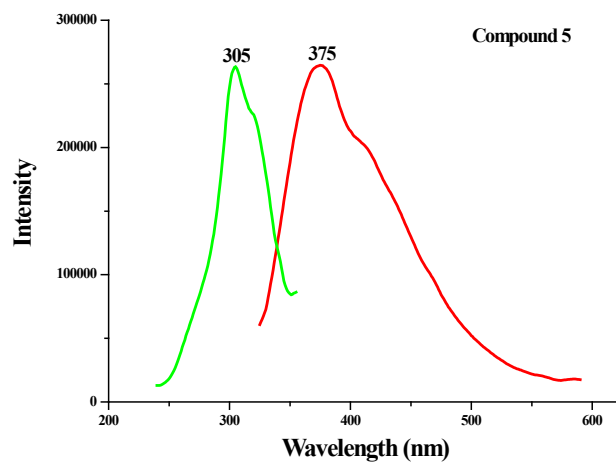


Fig. S5 The photoluminescence spectra of compounds 3, 4 and 5.

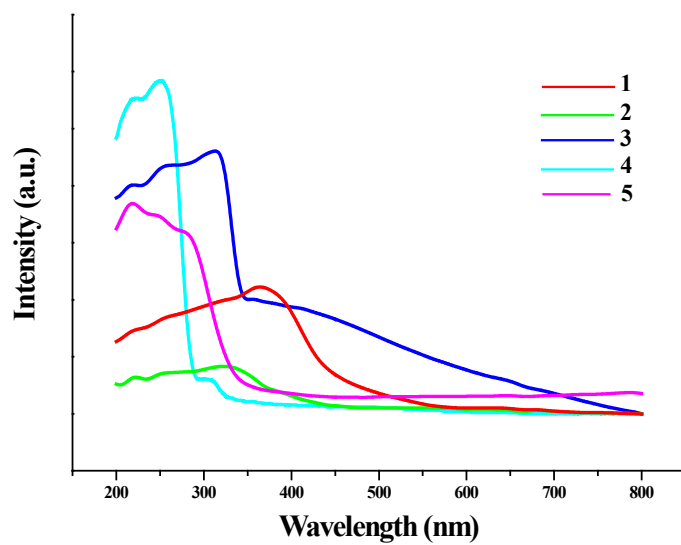


Fig. S6 The solid-state UV-vis spectra of the title compounds.

Note: Ultraviolet-visible (UV-vis) spectrum in the solid state was obtained on a Rigaku-UV-3100 spectrophotometer on a BaSO₄ plate.