Electronic Supplementary Information

(9 pages)

A quest for supramolecular gelators: Silver(I) complexes with quinoline-urea derivatives.

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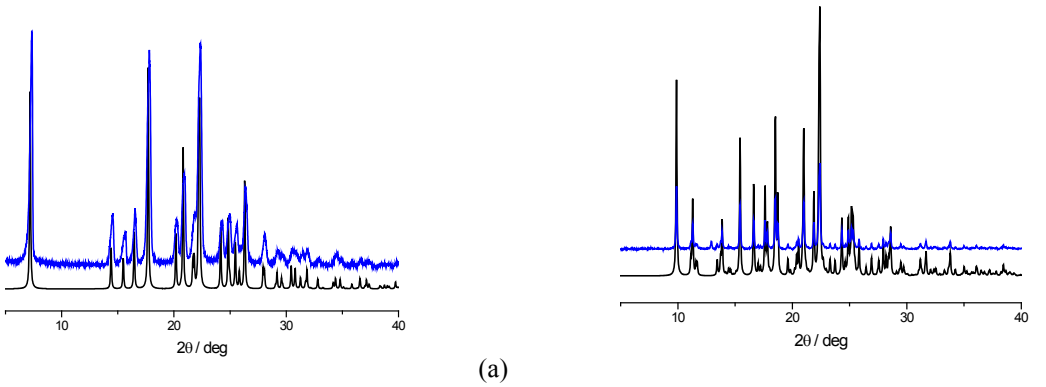


(a) (b)

Figure ESI-0. Comparison between diffraction patterns for (a) PQ5U and (b)PQ8U, calculated on the basis of single crystal structure (black line), and experimental recorded at RT (blue line).

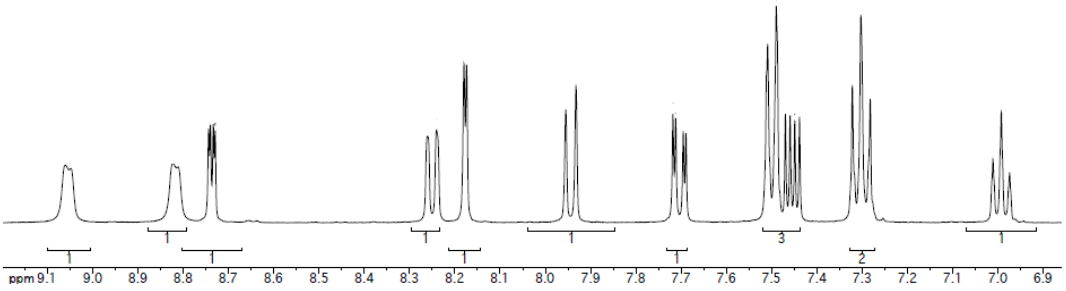


Figure ESI-1. PQ6U in DMSO-d_6, 400 MHz.

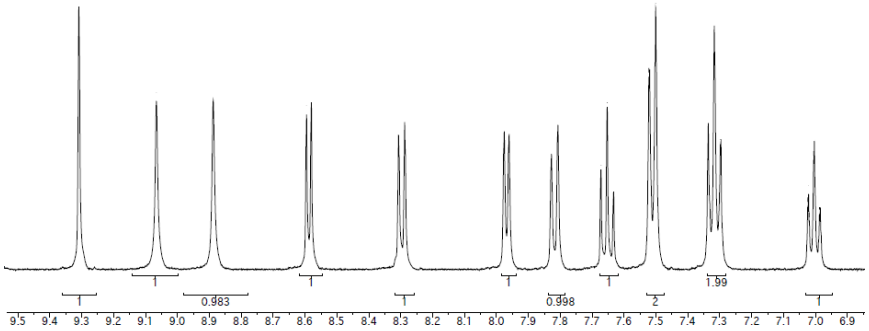


Figure ESI-2. PiQ5U in DMSO-d_6, 400 MHz.

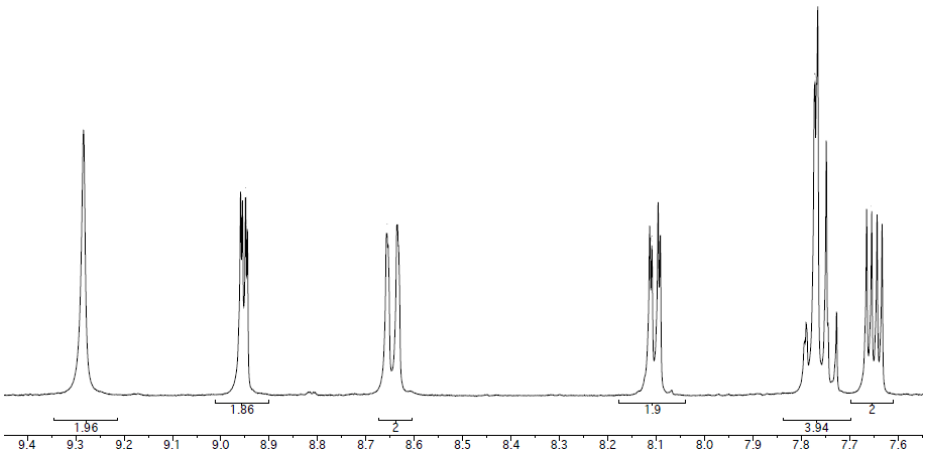


Figure ESI-3. DQ5U in DMSO-d_6, 400 MHz.

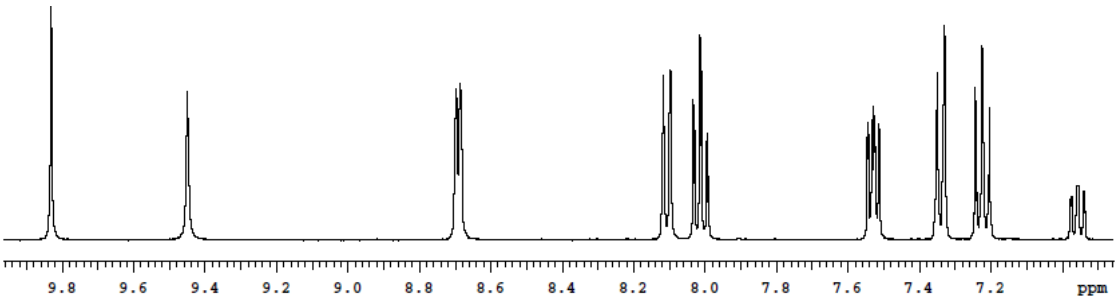


Figure ESI-4. PPT4U in DMSO-d_6, 400 MHz.

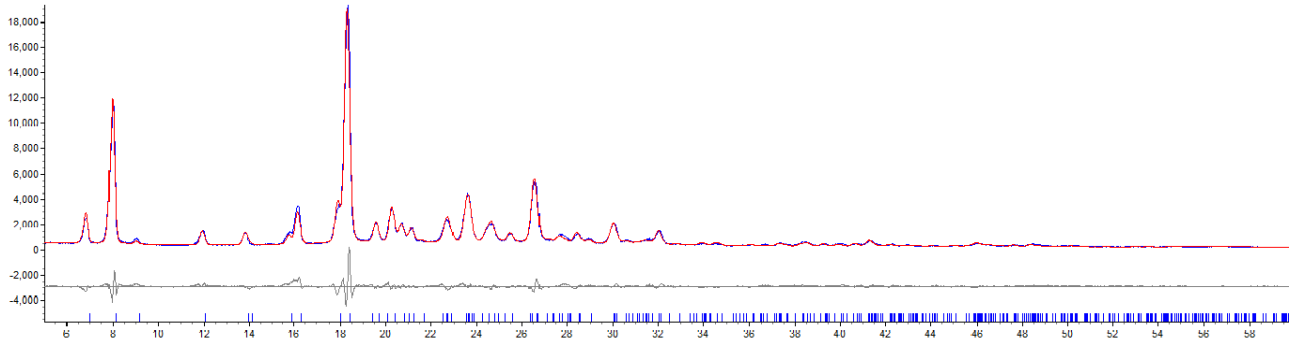


Figure ESI-5. Experimental (blue), calculated (red) and difference (grey) patterns for PQ6U; x axis is in degrees of 2θ.

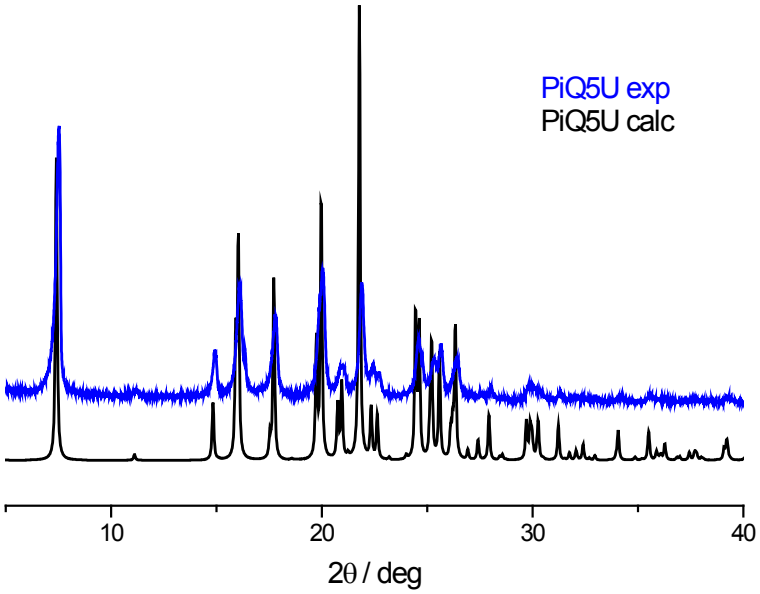


Figure ESI-6. Comparison between diffraction patterns for PiQ5U, calculated on the basis of single crystal structure (black line), and experimental recorded at RT (blue line).

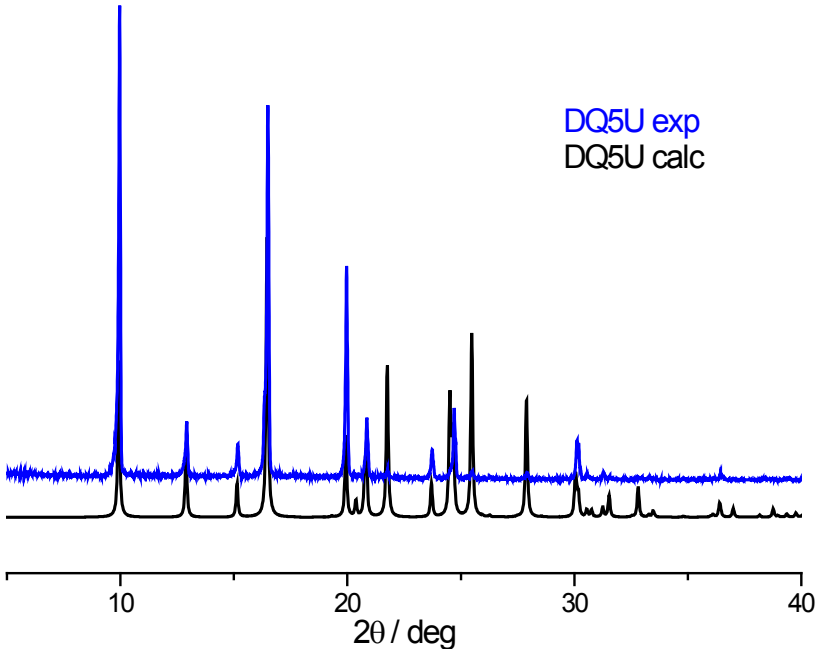


Figure ESI-7. Comparison between diffraction patterns for DQ5U, calculated on the basis of single crystal structure (black line), and experimental recorded at RT (blue line).

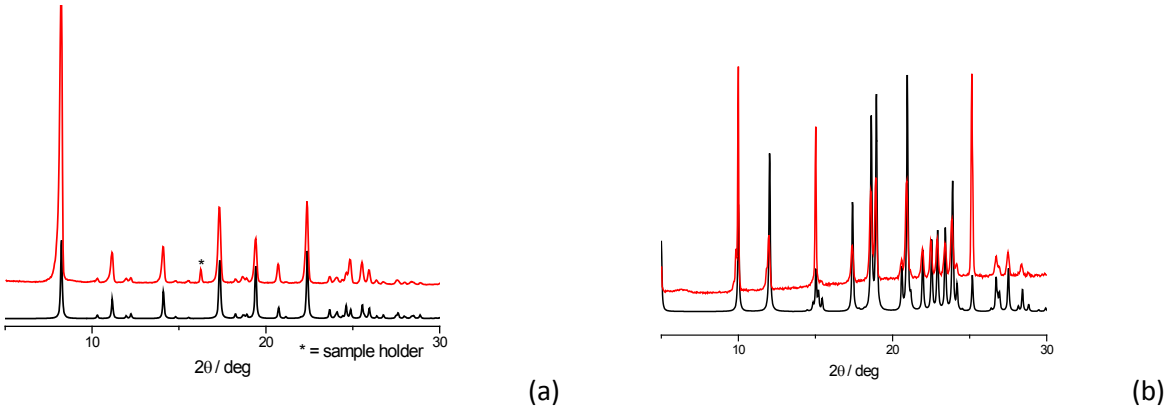


Figure ESI-8. Comparison between diffraction patterns for (a) PPT4U Form I and (b) PPT4U Form II, calculated on the basis of single crystal structure (black line) and experimental recorded at RT (blue line).

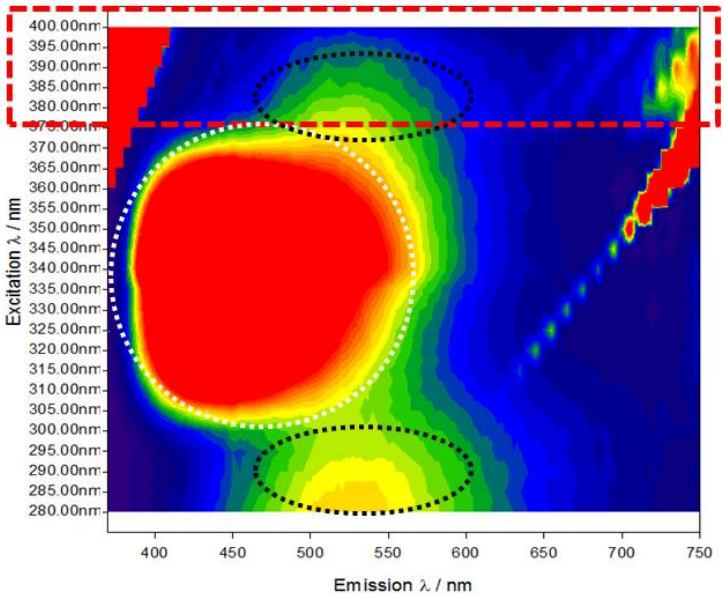
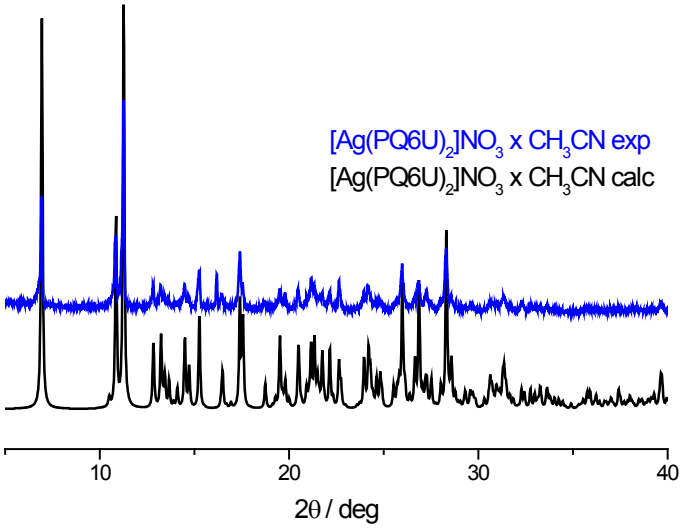
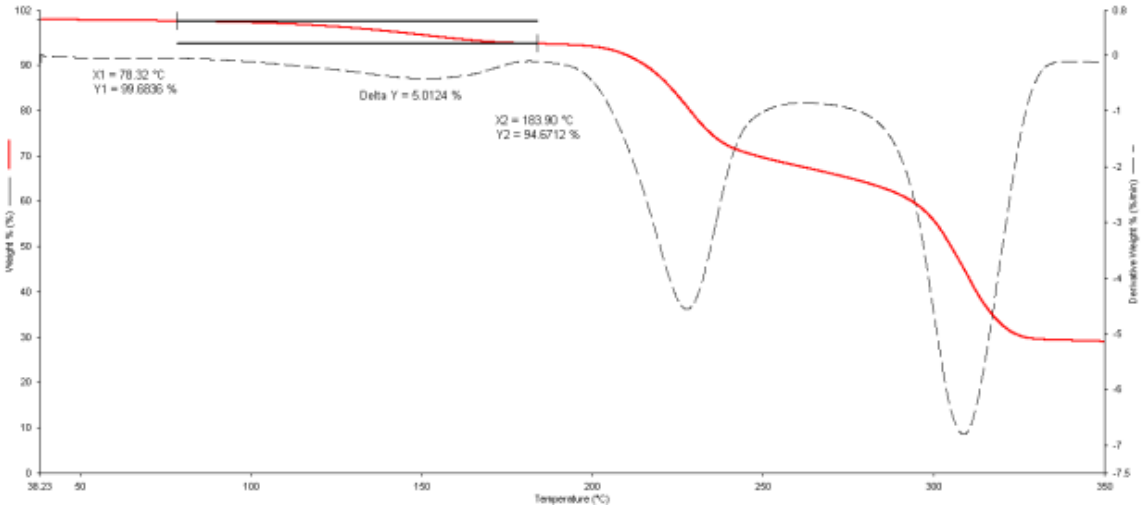


Figure ESI-9. Map of fluorescence spectra versus excitation wavelength for the $AgNO_3$:DQ5U gel. White and black dashed circles evidence the emission bands of DQ5U and of the fibrillar aggregates respectively. The red dashed rectangle shows the spectral response of the gel when excited within our microscope setup. As it can be seen, the fibrils are selectively selected and visualized.

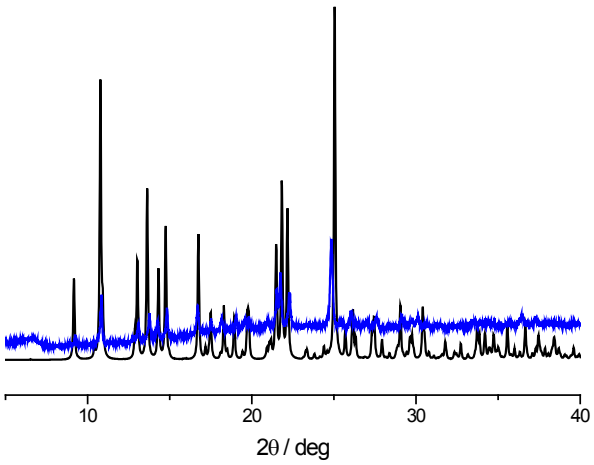


(a)

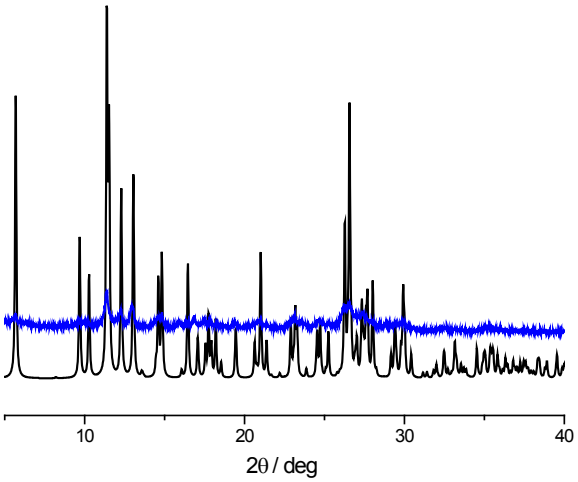


(b)

Figure ESI-10. Comparison between diffraction patterns for $[Ag(PQ6U)_2]NO_3 \cdot CH_3CN$, calculated on the basis of single crystal structure (black line), and experimental recorded at RT (blue line); (b) the TGA trace for complex $[Ag(PQ6U)_2]NO_3 \cdot CH_3CN$.



(a)



(b)

Figure ESI-11. Comparison between diffraction patterns for $[Ag(PQ6U)_2]NO_3$ Form I (a) and Form II (b), calculated on the basis of single crystal structure (black line), and experimental recorded at RT (blue line).

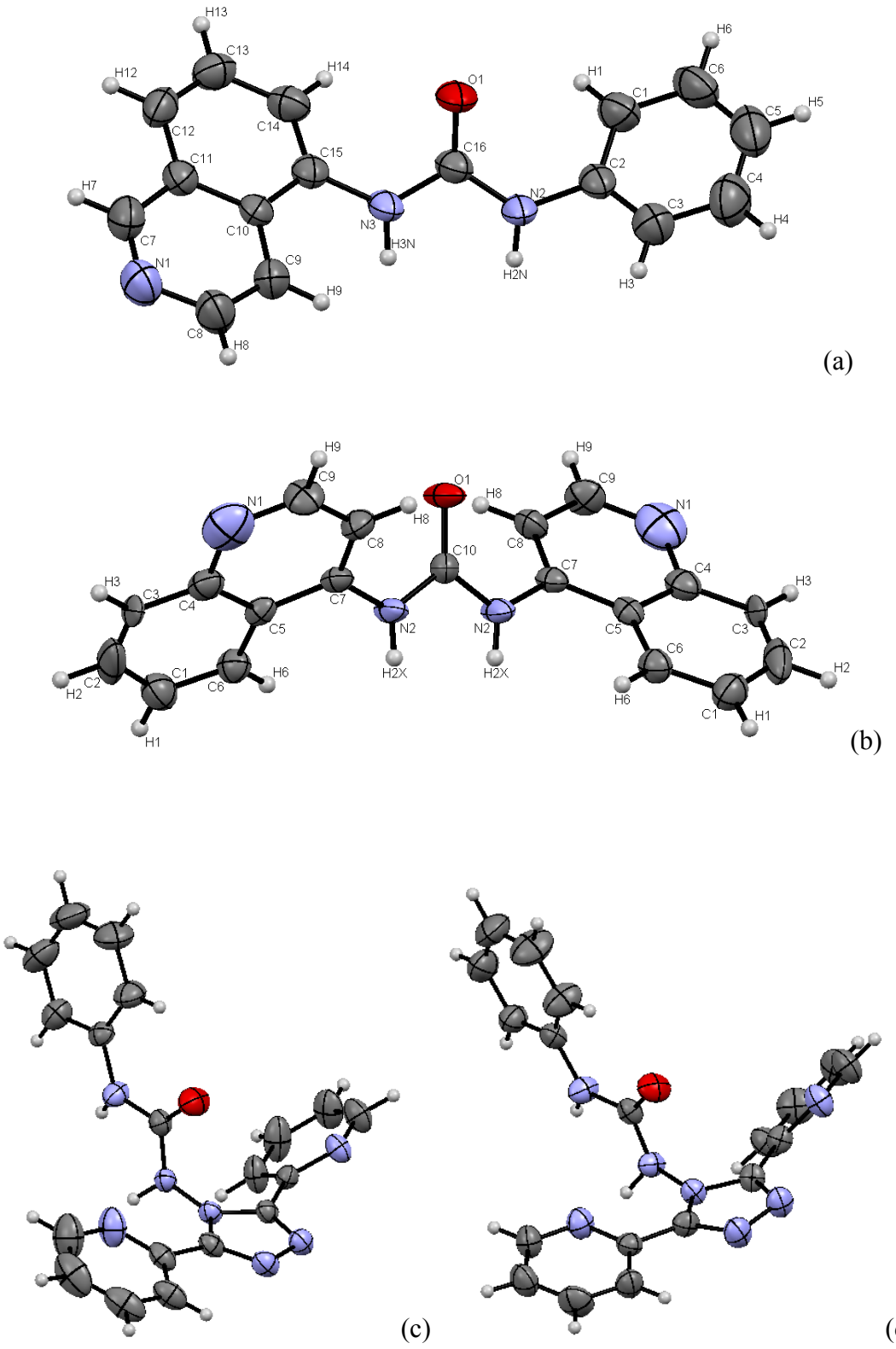


Figure ESI-12. ORTEP drawings for compounds (a) PiQ5U, (b) DQ5U, (c) PPT4U Form 1, and (d) PTT4U Form 2.

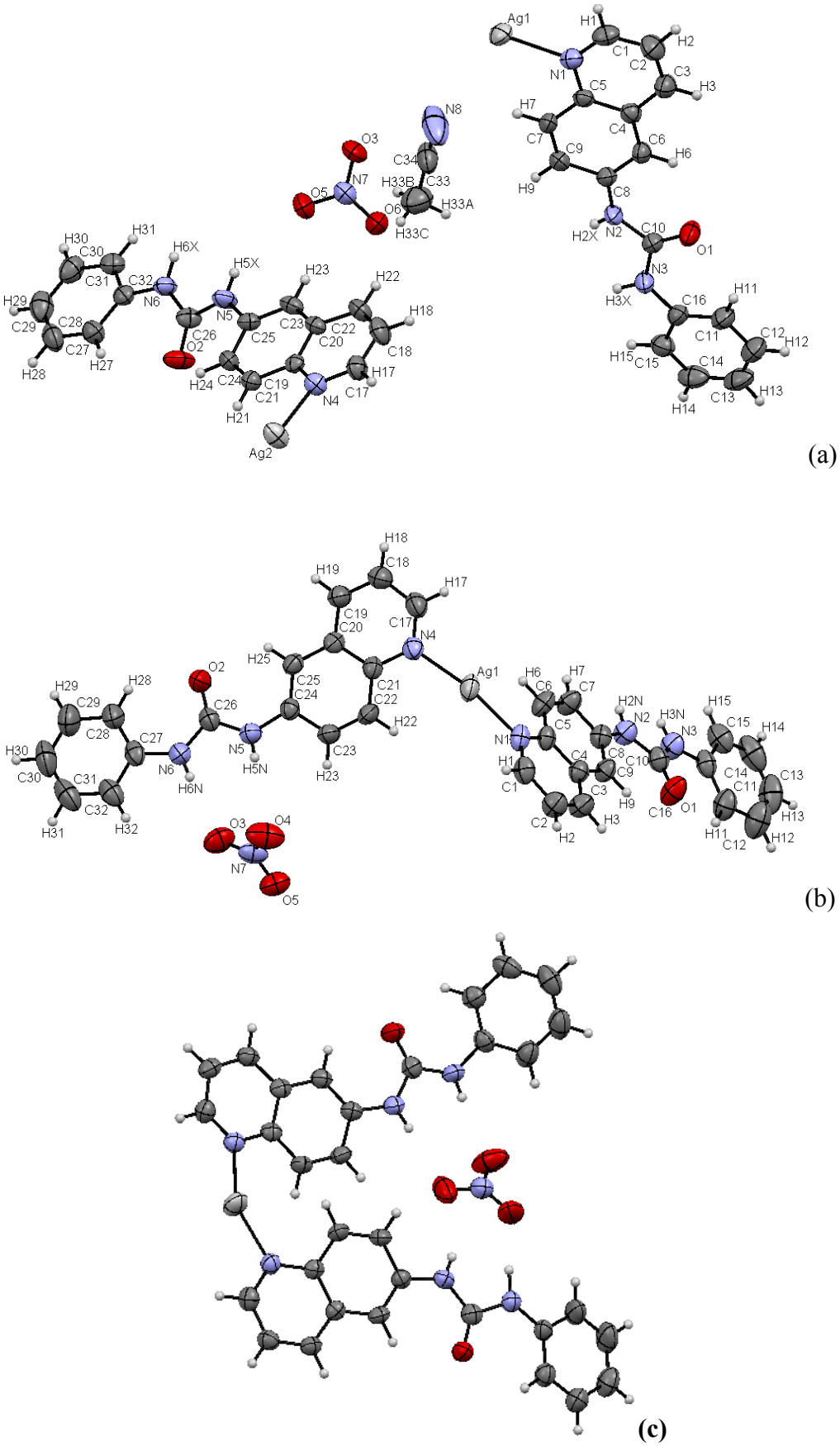


Figure ESI-13. ORTEP drawings for complexes: (a) $[Ag(PQ6U)_2]NO_3 \cdot CH_3CN$, (b) $[Ag(PQ6U)_2]NO_3$ Form 1 and (c) $[Ag(PQ6U)_2]NO_3$ Form 2.