Electronic Supplementary Information for Dalton Transactions

Synthesis, Structure, and Fluorescent Studies of Novel Uranium Coordination Polymers in the Pyridinedicarboxylic Acid System

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Figure 1: X-ray powder diffraction pattern of compound **1** showing the observed (blue) vs. calculated (red) patterns overlaid.

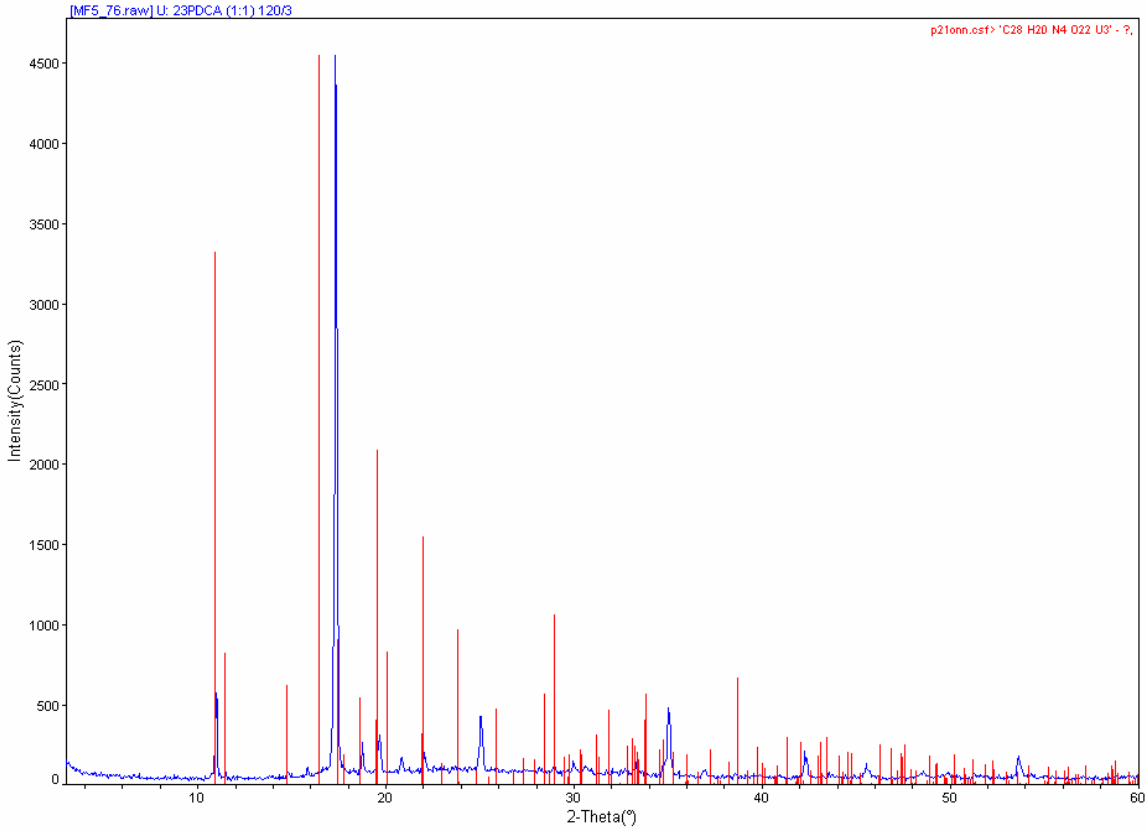

Figure 2: X-ray powder diffraction pattern of compound **2** showing the observed (blue) vs. calculated (red) patterns overlaid.

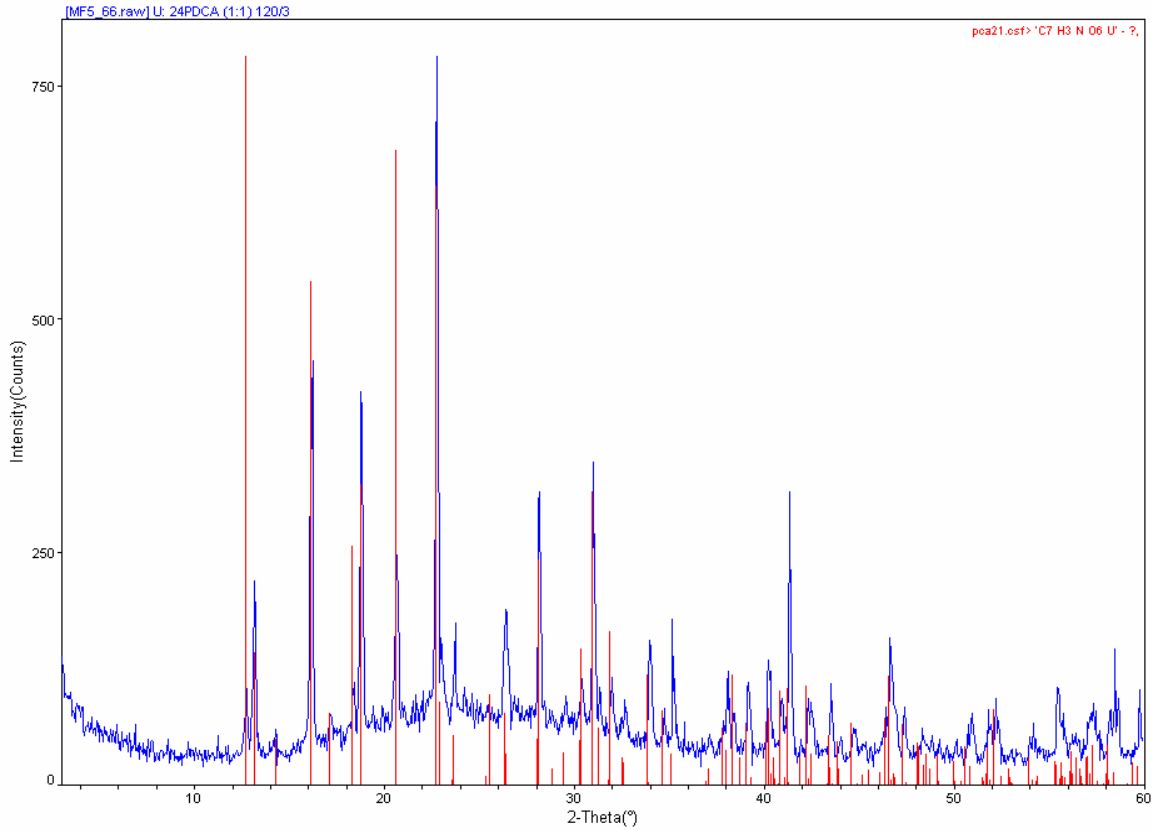

Figure 3: X-ray powder diffraction pattern of compound **3** showing the observed (blue) vs. calculated (red) patterns overlaid.

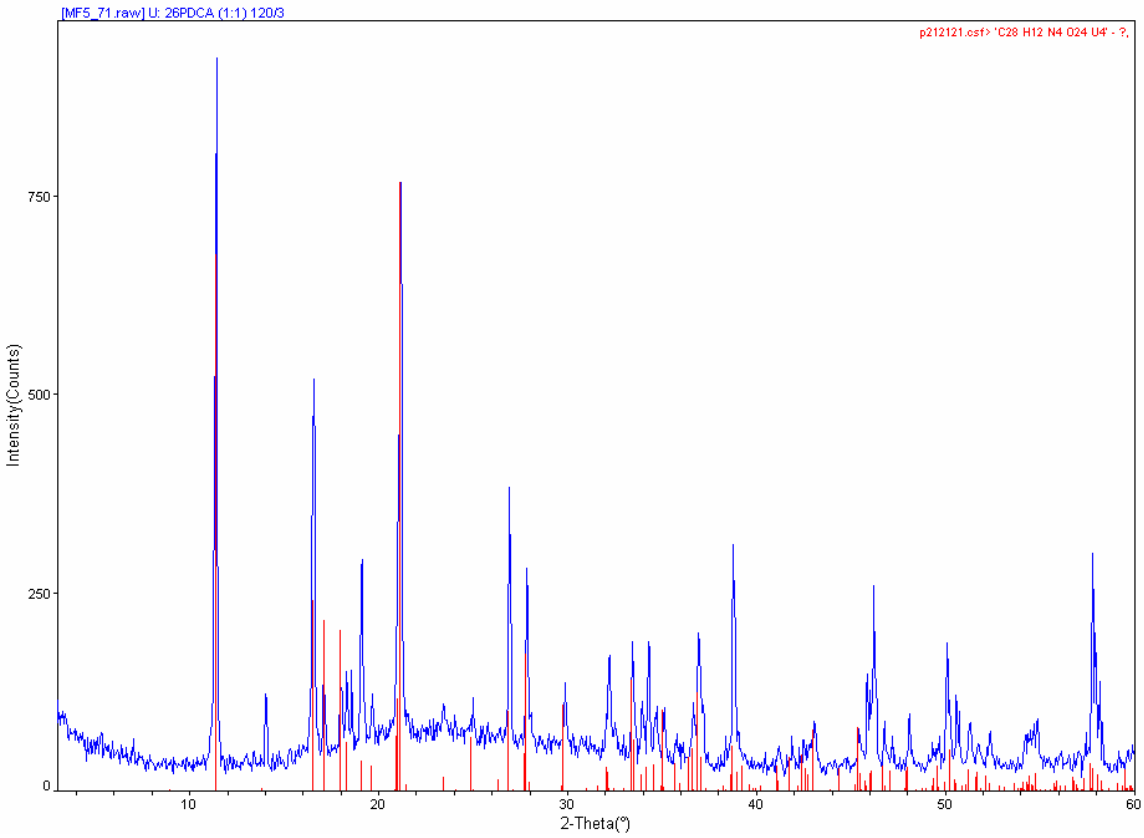

Figure 4: The stacking of the sheets of compound **1** viewed down the [010] direction.

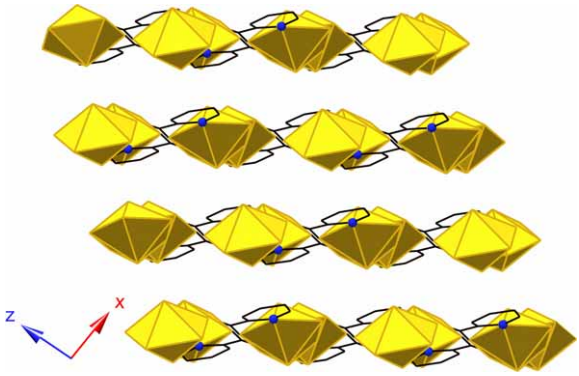

Figure 5: A view down the [100] direction illustrating the packing of the one-dimensional chains of compound **4**.

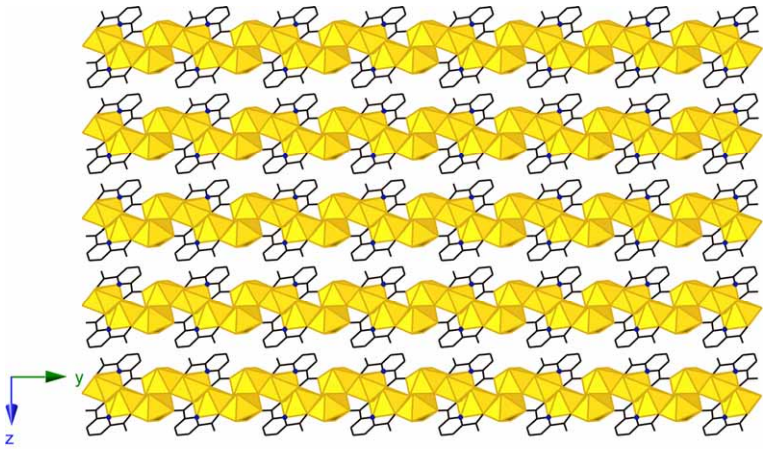

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Figure 6: The packing of the one-dimensional chains of compound **6**.

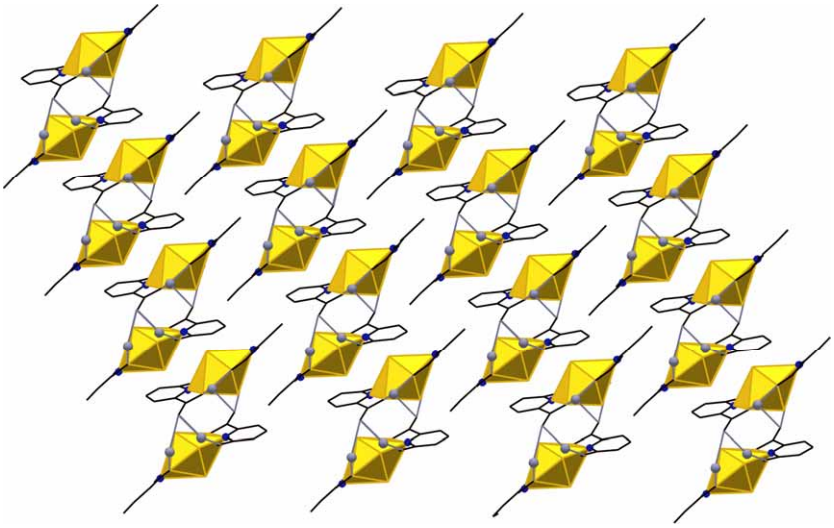

Figure 7: Compound **8** as viewed down the x-axis.

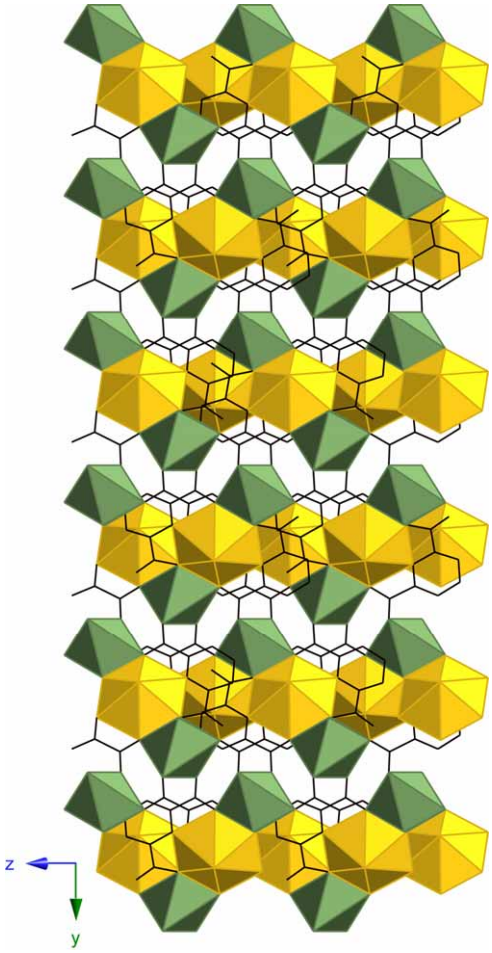

Figure 8: Emission spectra of compound **1** at different wavelengths (300, 365 and 424 nm) with low sensitivity and excitation/emission (1.5/1.5) slits.

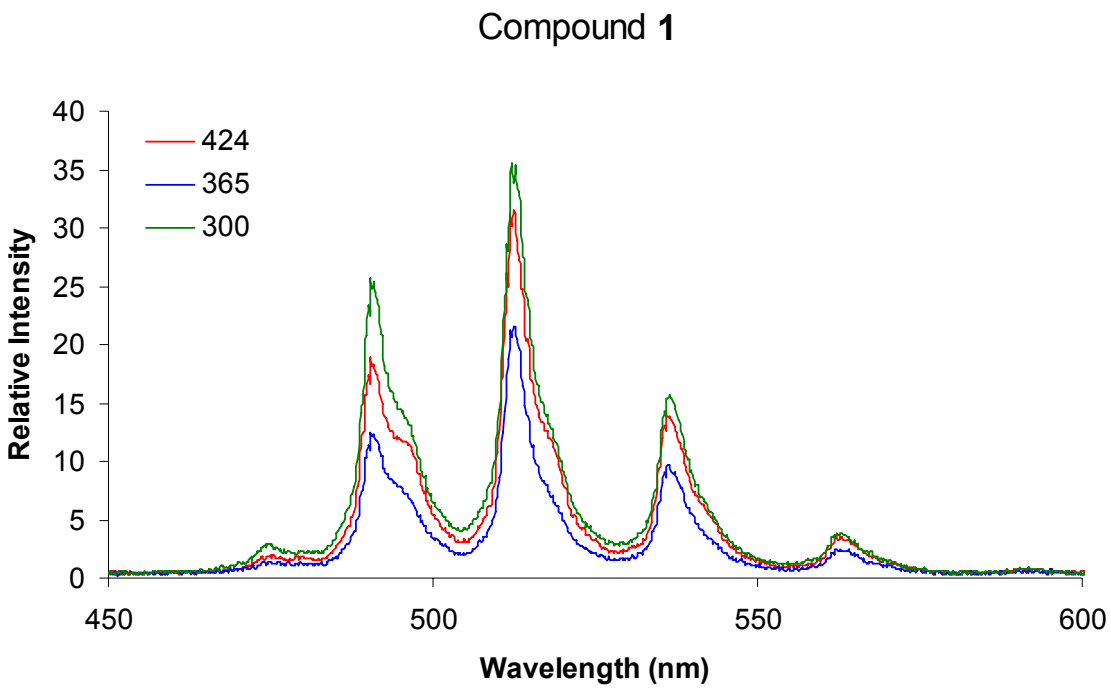

Figure 9: Emission spectra of compound **2** at different wavelengths (300, 365 and 424 nm) with low sensitivity and excitation/emission (1.5/1.5) slits.

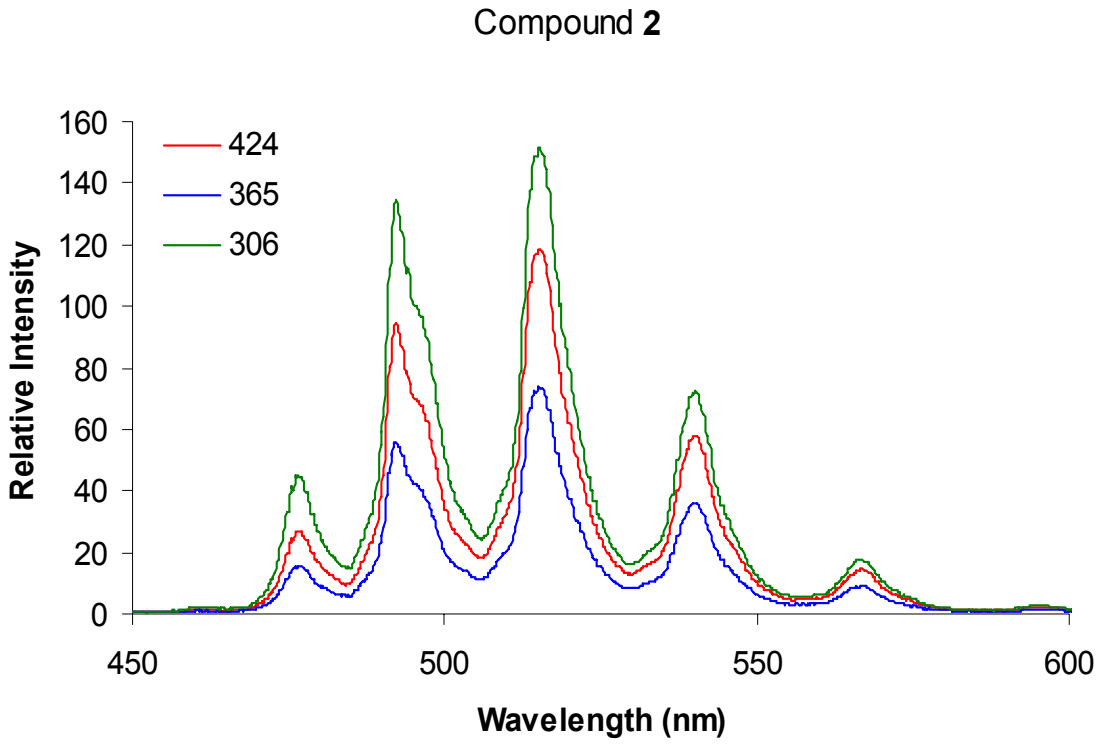

Figure 10: Emission spectra of compound **3** at different wavelengths (300, 365 and 424 nm) with low sensitivity and excitation/emission (3.0/1.5) slits.

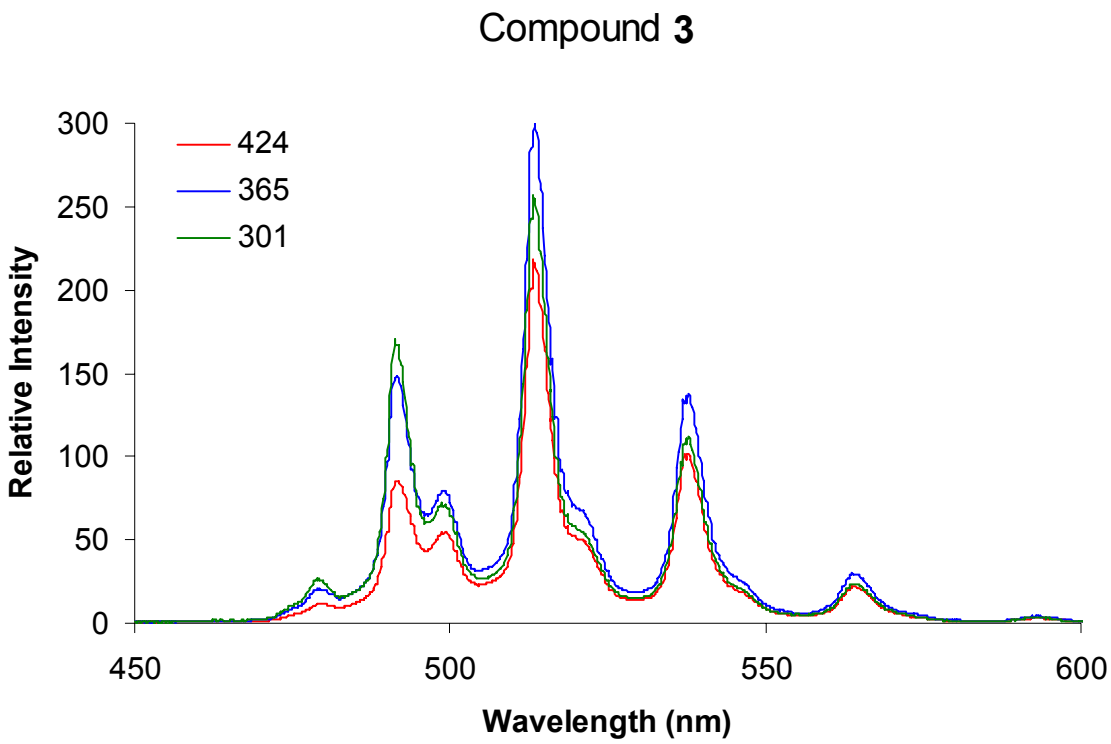

Figure 11: Absorbance spectrum of compound **3** taken on a Jasco V-570 Version 1.0 Spectrometer with 1.0 nm band width and fast response.

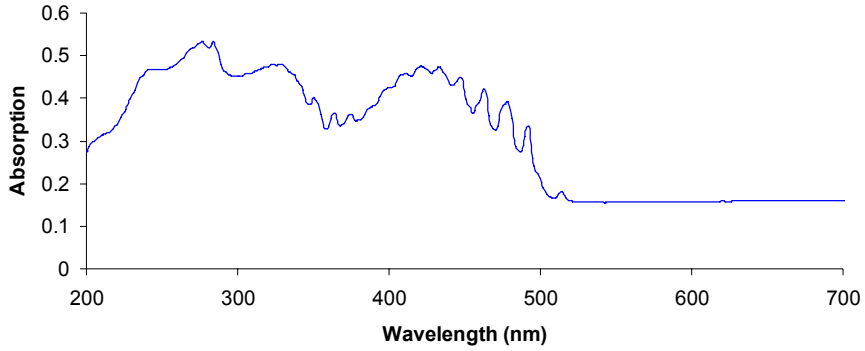

Figure 12: Emission spectra of compound **3** at different wavelengths with low sensitivity and excitation/emission (1.5/1.5) slits.