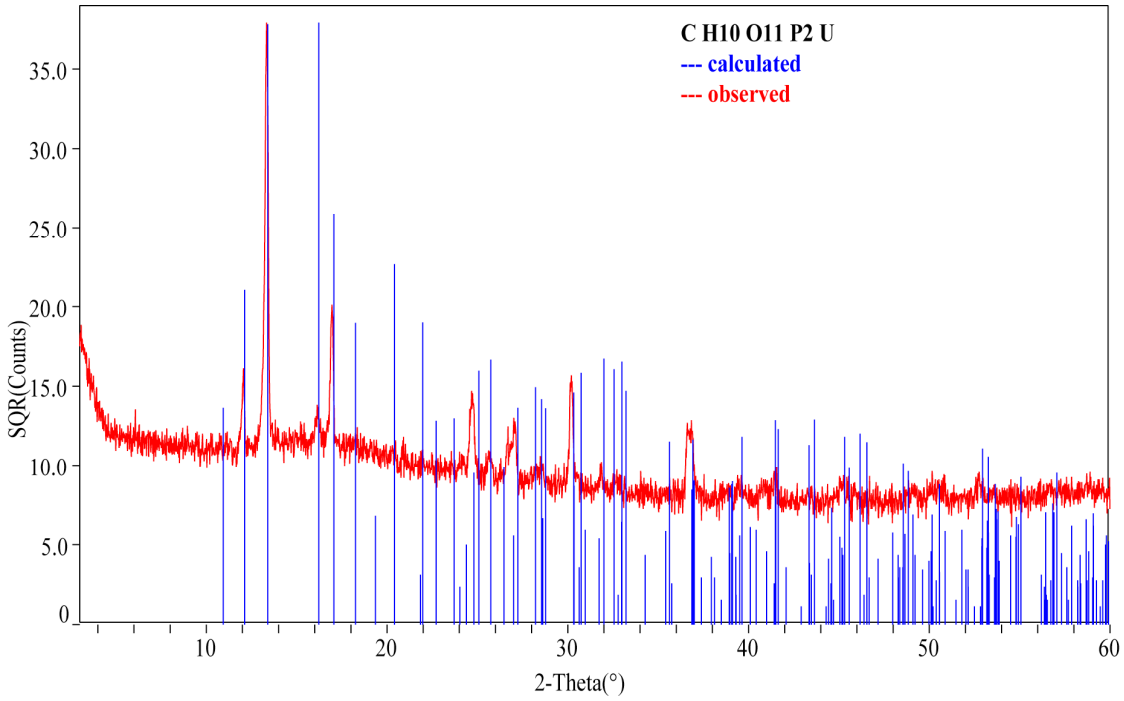
Supplementary Material (ESI) for Dalton Transactions

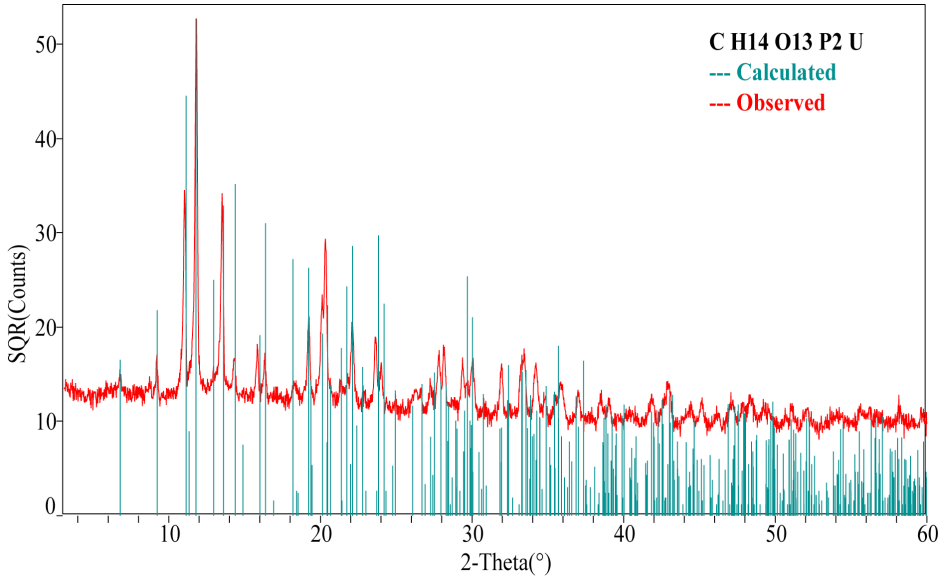
Homometallic UO_2^{2+} diphosphonates assembled under ambient and hydrothermal conditions

Karah E. Knope [†] *and Christopher L. Cahill* [*,†]

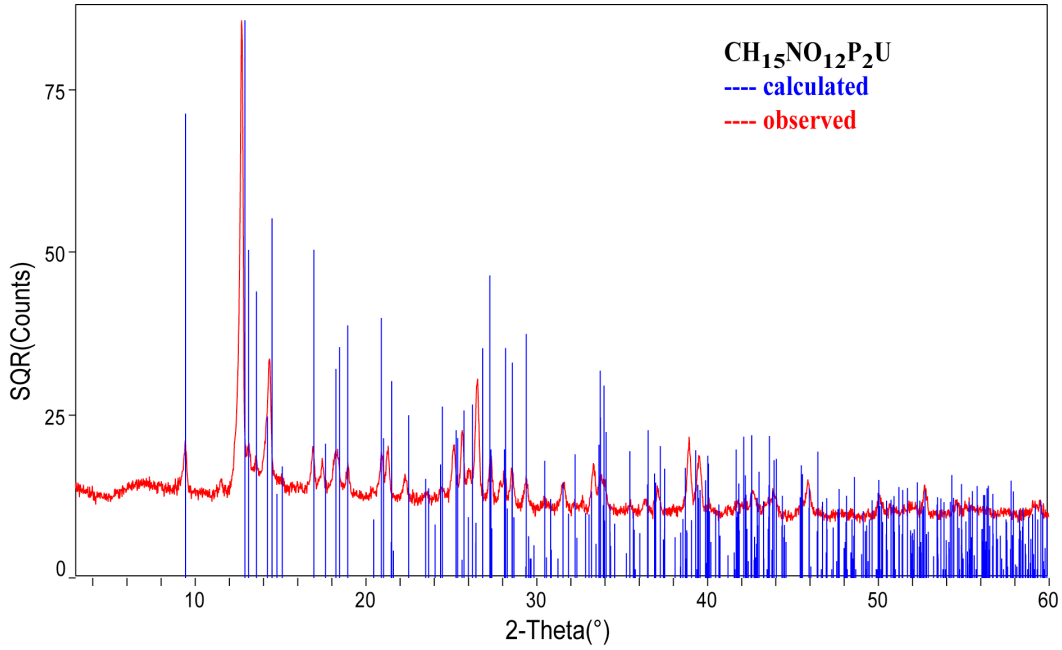
Supporting Information



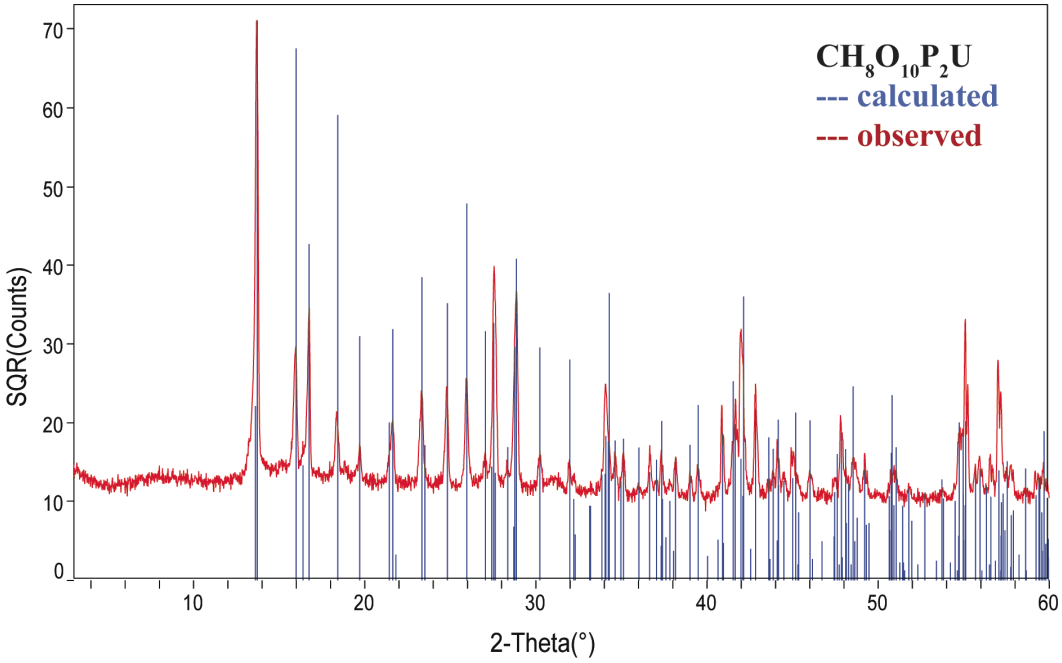
SI 1. Powder diffraction spectrum for **1** (3-60 ° 2-theta, Cu K∝).



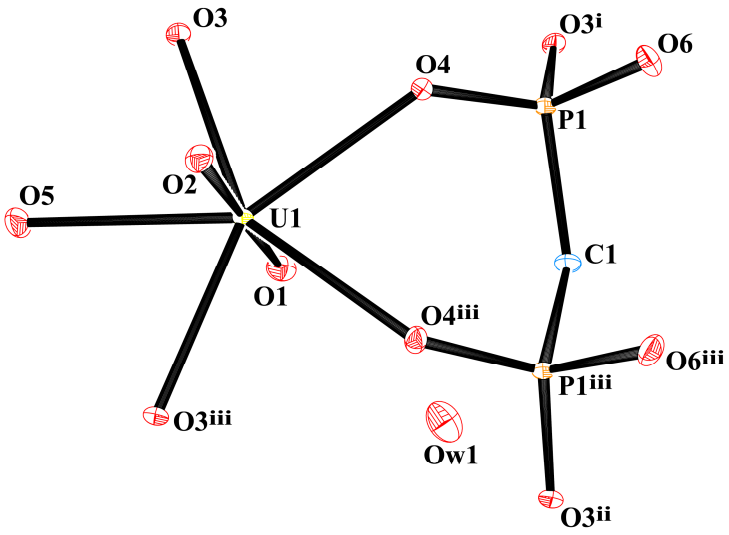
SI 2. Powder diffraction spectrum for **2** (3-60 ° 2-theta, Cu K∝).



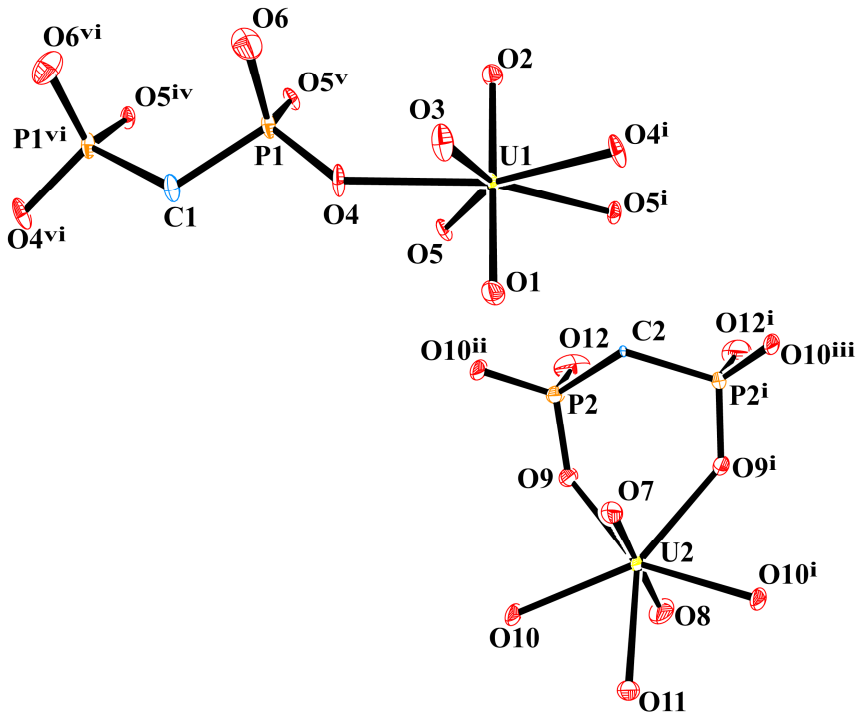
SI 3. Powder diffraction spectrum for **3** (3-60 ° 2-theta, Cu K∝).



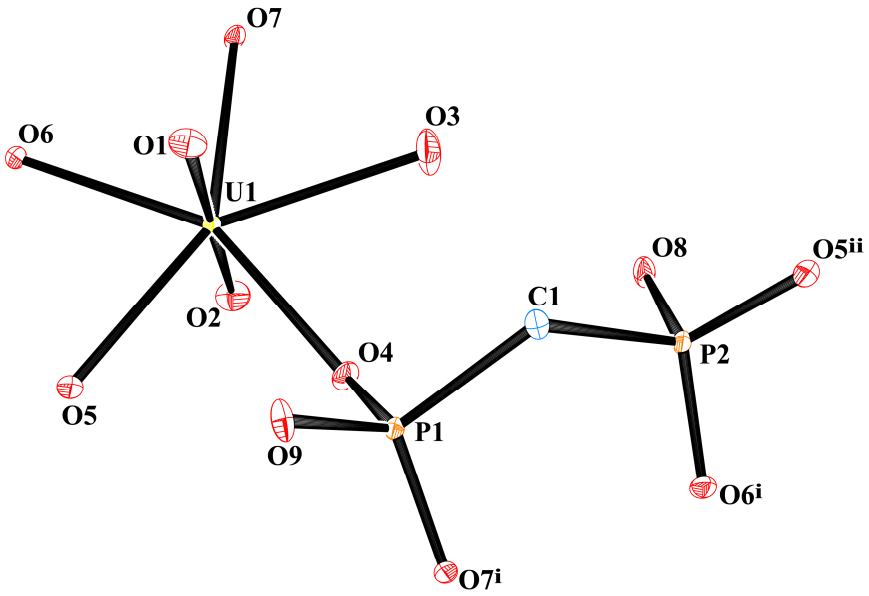
SI 4. Powder diffraction spectrum for **4** (3-60 ° 2-theta, Cu K∝).



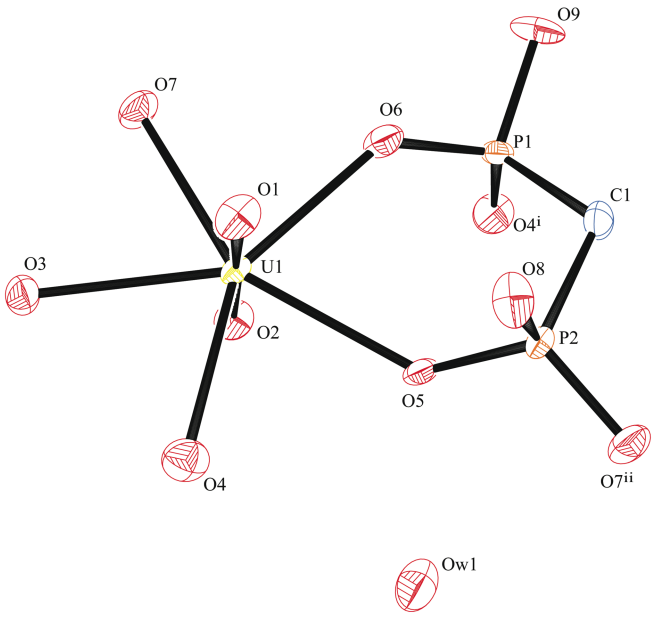
SI 5. ORTEP illustration of **1**. Ellipsoids are shown at 50% probability level. Hydrogen atoms have been omitted for clarity. Superscript denotes symmetry: i = -x+1, -y+1, -z+1; ii = x+1, y-1, z; iii = x-1/2, y+1, -z+1/2.



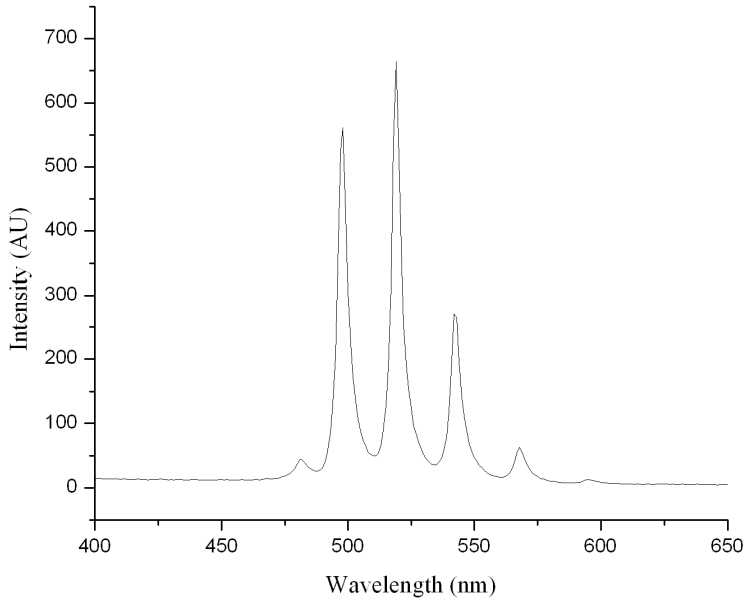
SI 6. ORTEP illustration of **2**. Ellipsoids are shown at 50% probability level. Hydrogen atoms have been omitted for clarity. Superscript denotes symmetry: i = -x, -y, -z+1; ii = -x+1, -y+1, -z+1; iii = x, y+1, z; iv = -x+1, -y, -z+1; v = x+1, y, z; vi = x, y, z+1.



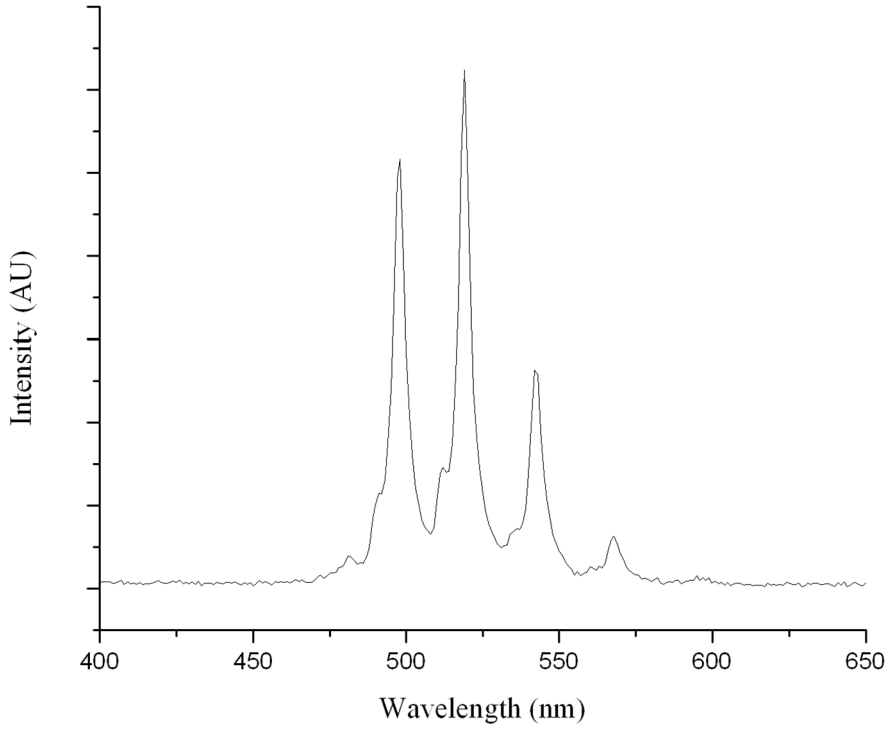
SI 7. ORTEP illustration of **3**. Ellipsoids are shown at 50% probability level. Hydrogen atoms and solvent H_2O and NH_4 molecules have been omitted for clarity. Superscript denotes symmetry: i = x-1/2, -y+3/2, z-1/2; ii = -x+1/2, y+1/2, -z+3/2.



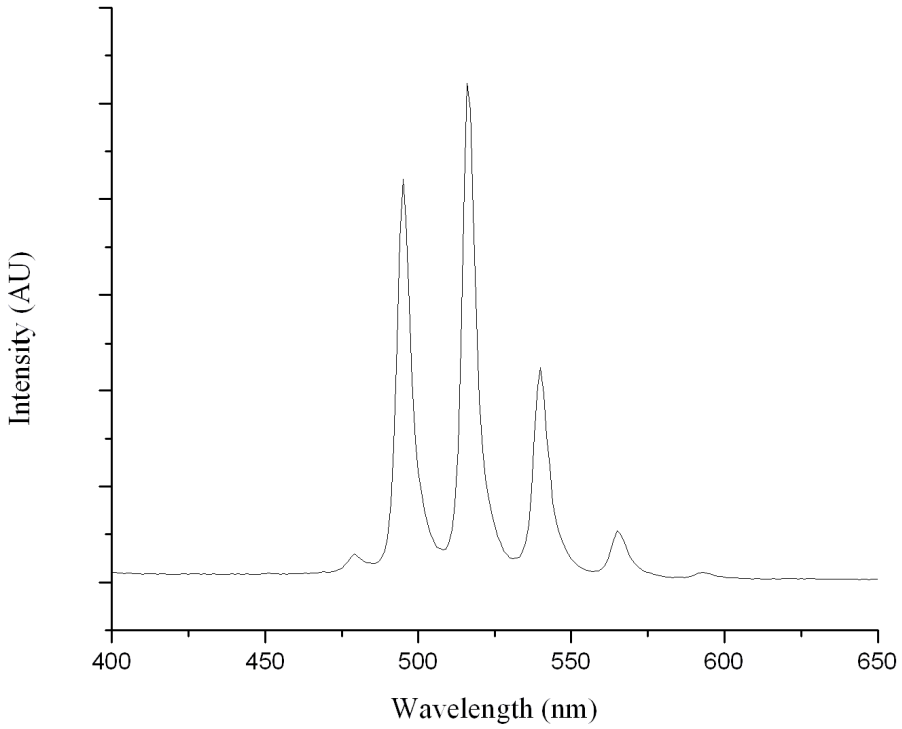
SI 8. ORTEP illustration of **4**. Ellipsoids are shown at 50% probability level. Hydrogen atoms and solvent H_2O and NH_4 molecules have been omitted for clarity. Superscript denotes symmetry: i = -x+3/2, y+1/2, z-1/2; ii = -x+2, -y+1, z-1/2.



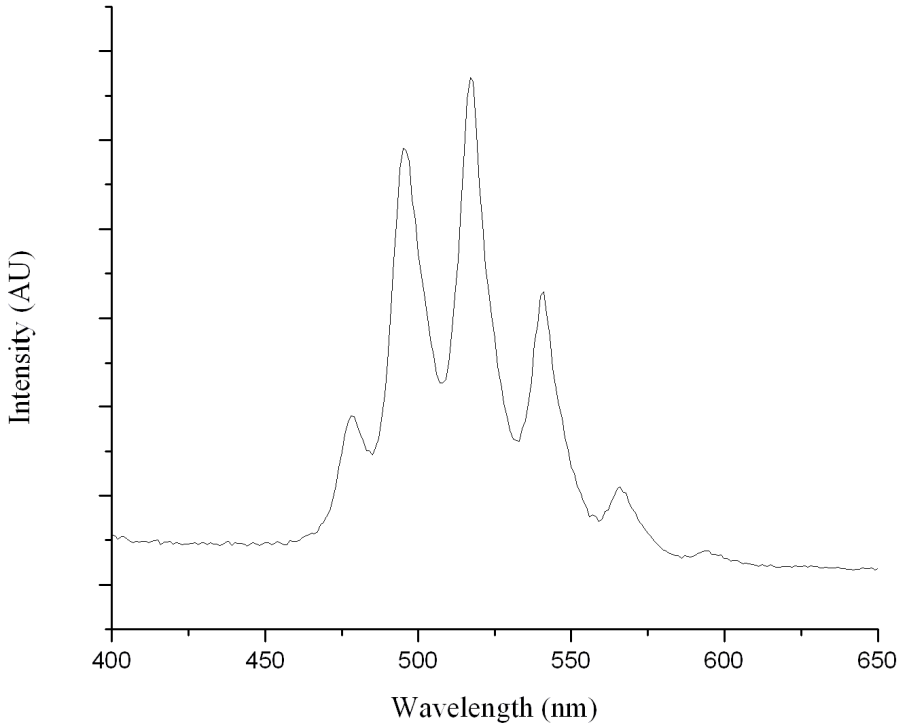
SI 9. Emission spectrum for **1** via direct uranyl excitation at 365nm.



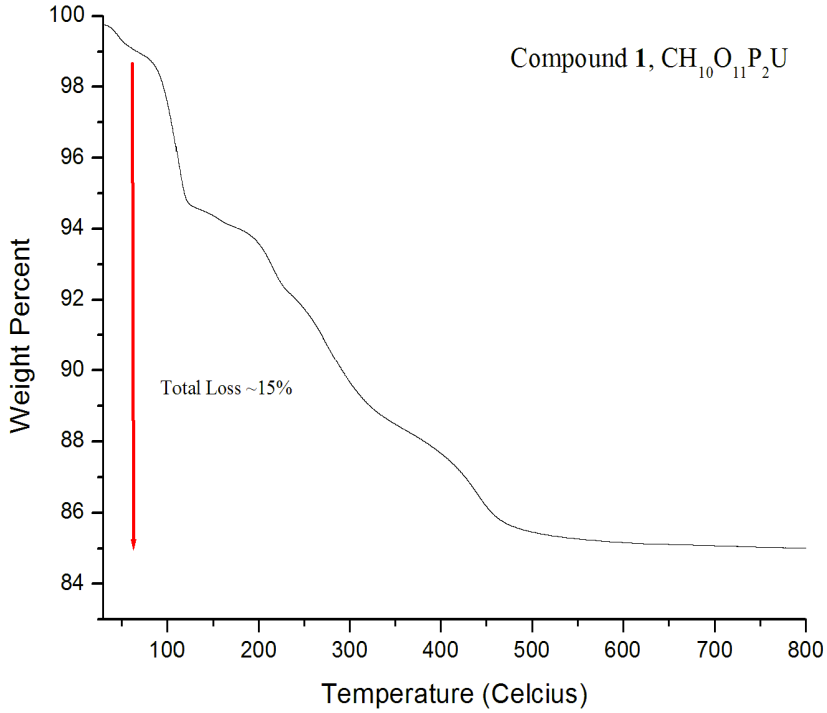
SI 10. Emission spectrum for **2** via direct uranyl excitation at 365nm.



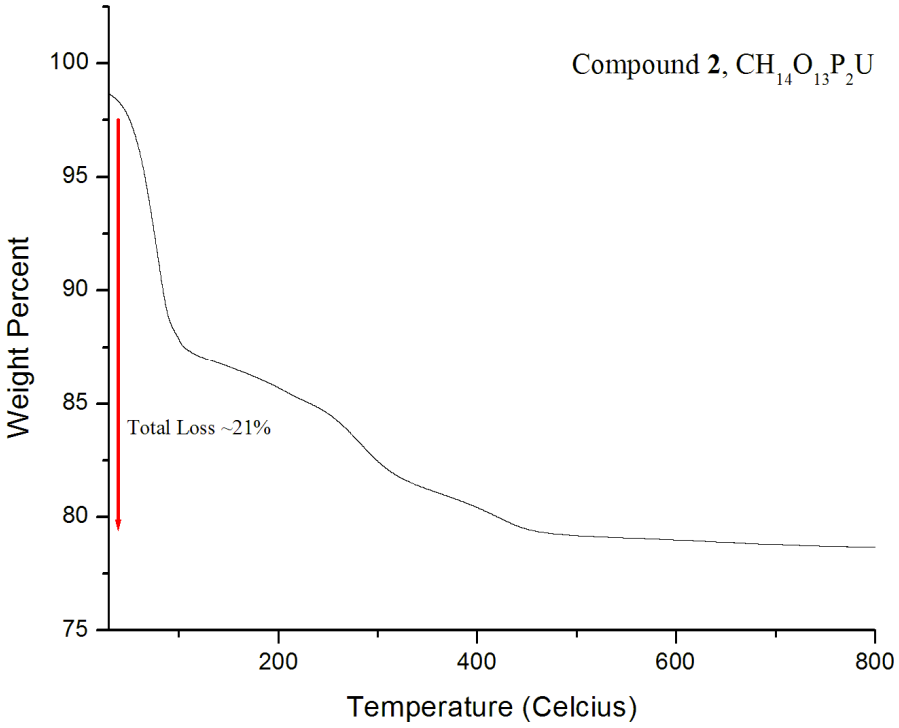
SI 11. Emission spectrum for **3** via direct uranyl excitation at 365nm.



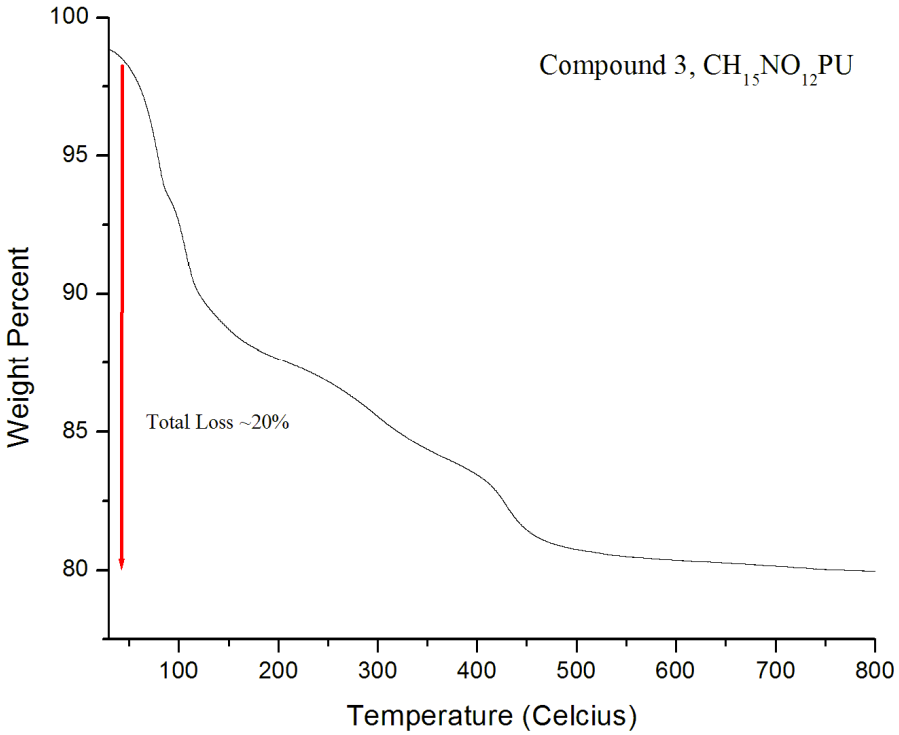
SI 12. Emission spectrum for **4** via direct uranyl excitation at 365nm.



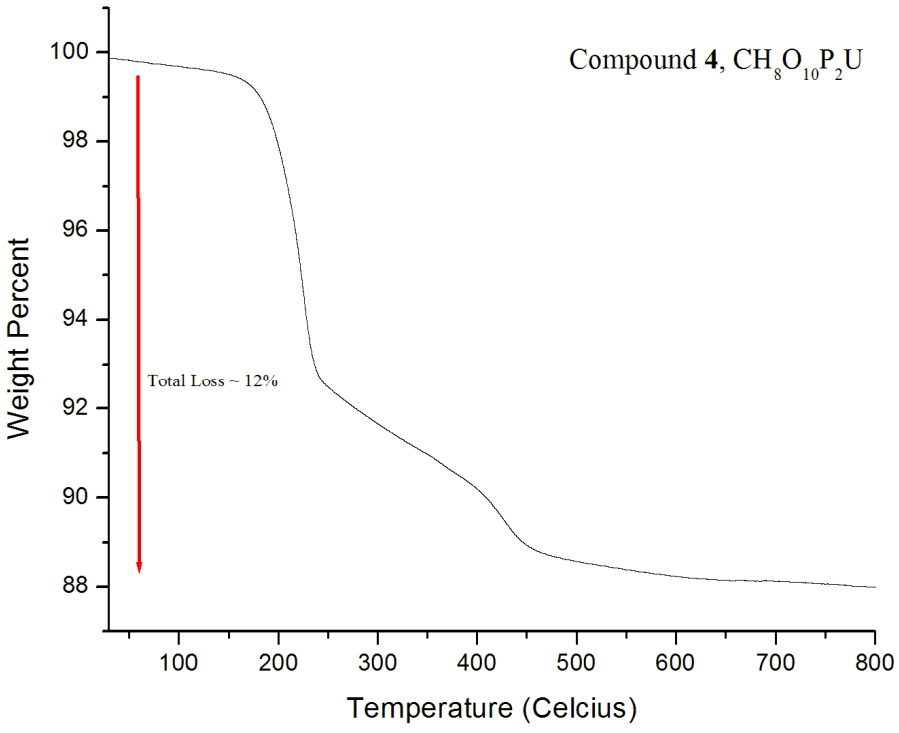
SI 13. TGA plot for **1**.



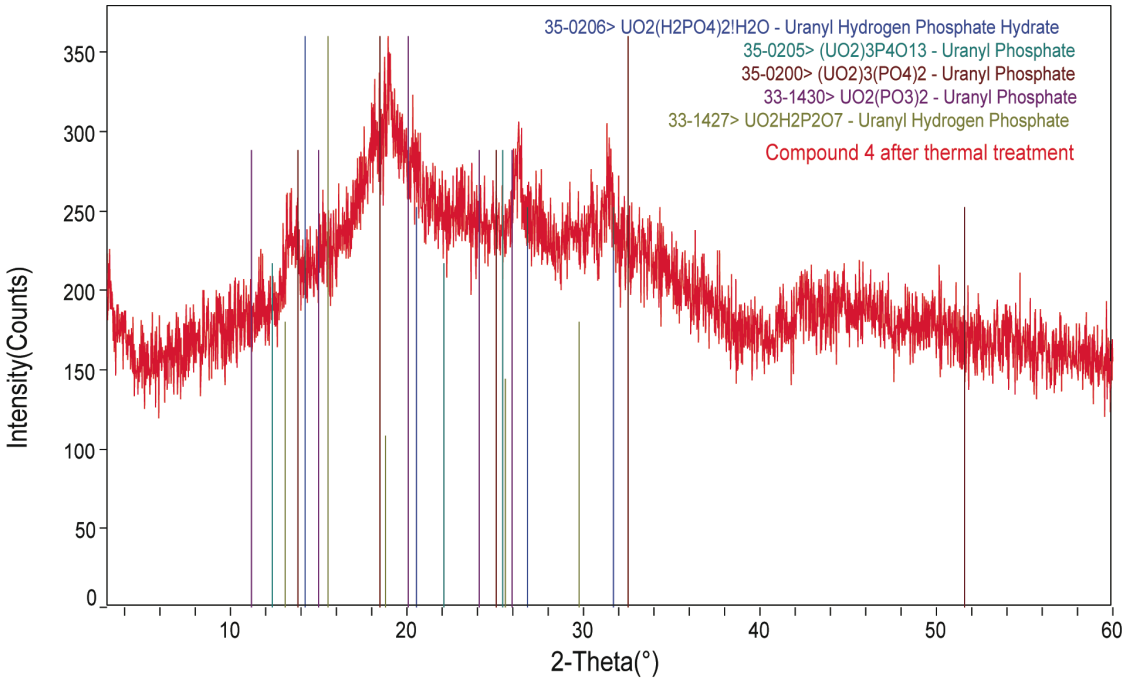
SI 14. TGA plot for **2**.



SI 15. TGA plot for **3**.



SI 16. TGA plot for **4**.



SI 17. Powder diffraction spectrum for **4** after thermal treatment (3-60 ° 2-theta, Cu K∝).