Supporting Information:

Thermodynamic Insight into the Solvation and Complexation Behavior of U(VI) in Ionic Liquid: Binding of CMPO with U(VI) Studied by Optical Spectroscopy and Calorimetry

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Figure 1S Spectrophotometric titration of U(VI) with CMPO in “dry” IL. Initial solution: \( V_0 = 2.0 \) mL, \( C_U = 10 \) mM, titrant: \( C_L = 0.14 \) M, 0.700 mL added.

Figure 2S Change of speciation of U(VI) (solid lines) and the absorbance at 425 nm (triangles) as a function of the \( C_I/C_U \) ratio in “dry” IL (left) and calculated molar absorptivity of U(VI) complexes (right).