Supporting Information

Anion Complexation of Pentafluorophenyl-Substituted Tripodal Urea Receptor in solution and the Solid State: Selectivity toward Phosphate.

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Figure 1S: ¹H-NMR spectra of L^2 in DMSO-d₆ at 25°C



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Figure 2S: ¹³C-NMR spectra of L¹ in DMSO-d₆ at 25°C



Figure 3S HRMS spectrum of L¹



Figure 5S: ¹³C-NMR spectra of complex 1 in DMSO-d₆ at 25°C

Figure 6S HRMS spectrum of complex 1

Figure 7S: ¹H-NMR spectra of complex **2** in DMSO-d₆ at 25°C

Figure 8S: ¹³C--NMR spectra of complex **2** in DMSO-d₆ at 25°C

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Figure 9S HRMS spectrum of complex 2

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Figure 10S: ¹⁹F-NMR spectra of $n-Bu_4N^+F^-$ in DMSO-d₆ at 25°C.

Figure 11S: ¹⁹F-NMR spectra of L^1 in DMSO-d₆ at 25°C.

Figure 12S: ¹⁹F-NMR spectra of n-Bu₄N⁺F⁻ with L¹ in DMSO-d₆ at 25°C

Figure 13S: Change in Chemical shifts for L^1 with $(n-Bu_4N^+)HSO_4^-$ in DMSOd₆ at 25°C.

Figure 14S: Job's plot for L^1 with $(n-Bu_4N^+)_2SO_4^{2-}$ in DMSO-d₆ at 25°C.

Figure 16S: The scatterplot of N-H...O angle vs. H...O distance of the hydrogen bonds in $H_2PO_4^-$ complex.

Figure 17S: ORTEP diagram of Complex **1** with 50% probability factor for the thermal ellipsoids.

Figure 18S: The scatter plot of N-H...F angle vs. H...F distance of the hydrogen bonds in complex **1**.

Figure 21S: Job's plot for L^1 with *n*-Bu₄N⁺Br⁻ in DMSO-d₆ at 25°C.

Figure 22S. Packing diagram of Complex 1 along b-axis.

Figure 23S: ORTEP diagram of Complex **2** with 50% probability factor for the thermal ellipsoids.

