

## Supporting Information

### **Recognition of Fluoride in Fluorophenyl Attached Tripodal Amide Receptors: Structural Evidences of Solvent Capped Encapsulation of Anion in a $C_{3v}$ -Symmetric Tripodal Cleft**

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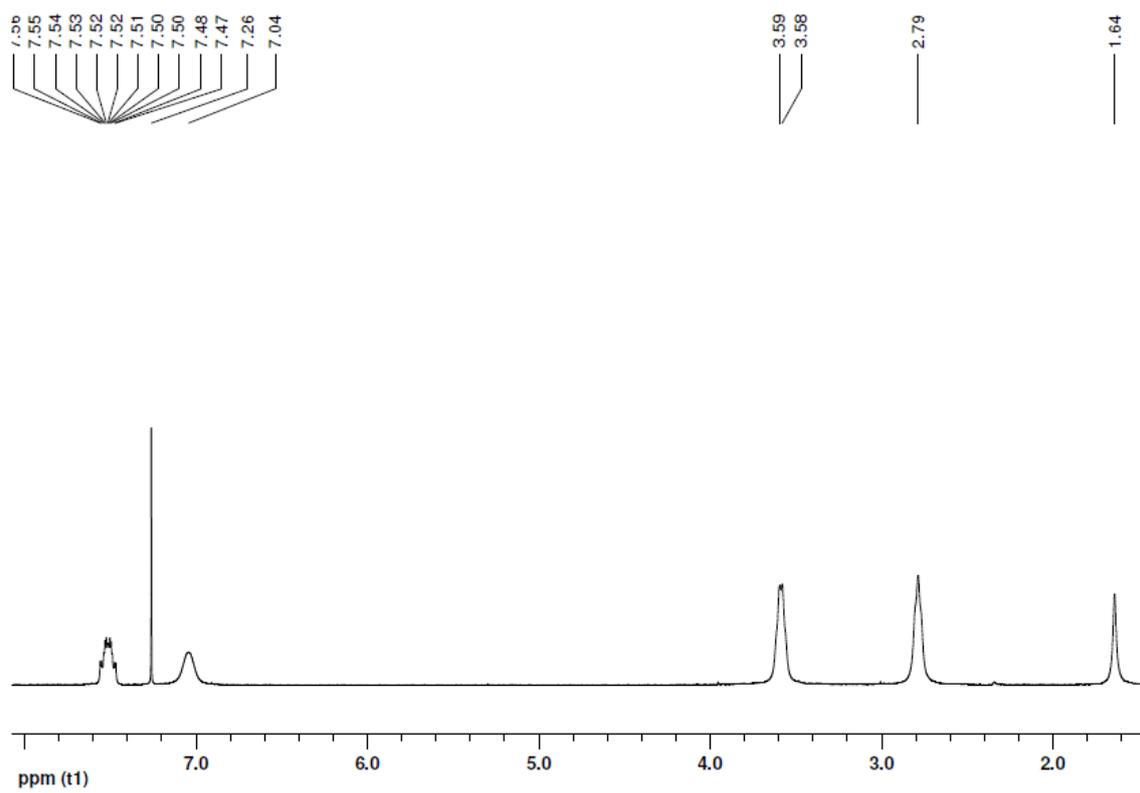
Figure 12S. Packing Diagram of **L1** along c-axis

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**Figure 1S.**  $^1\text{H-NMR}$  Spectra of **L1** in  $\text{CDCl}_3$  at  $25^\circ\text{C}$ .



**Figure 2S.**  $^{13}\text{C}$ -NMR Spectra of L1 in  $\text{CDCl}_3$  at  $25^\circ\text{C}$ .

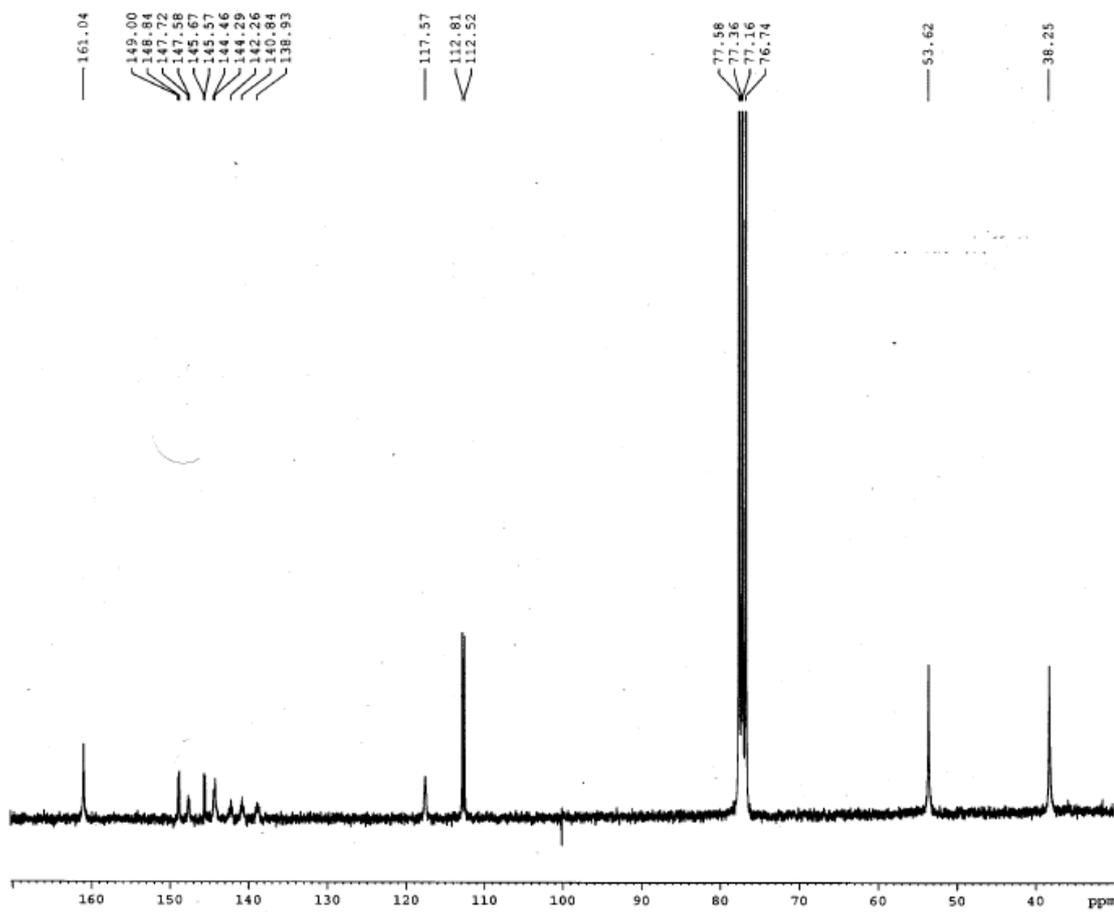
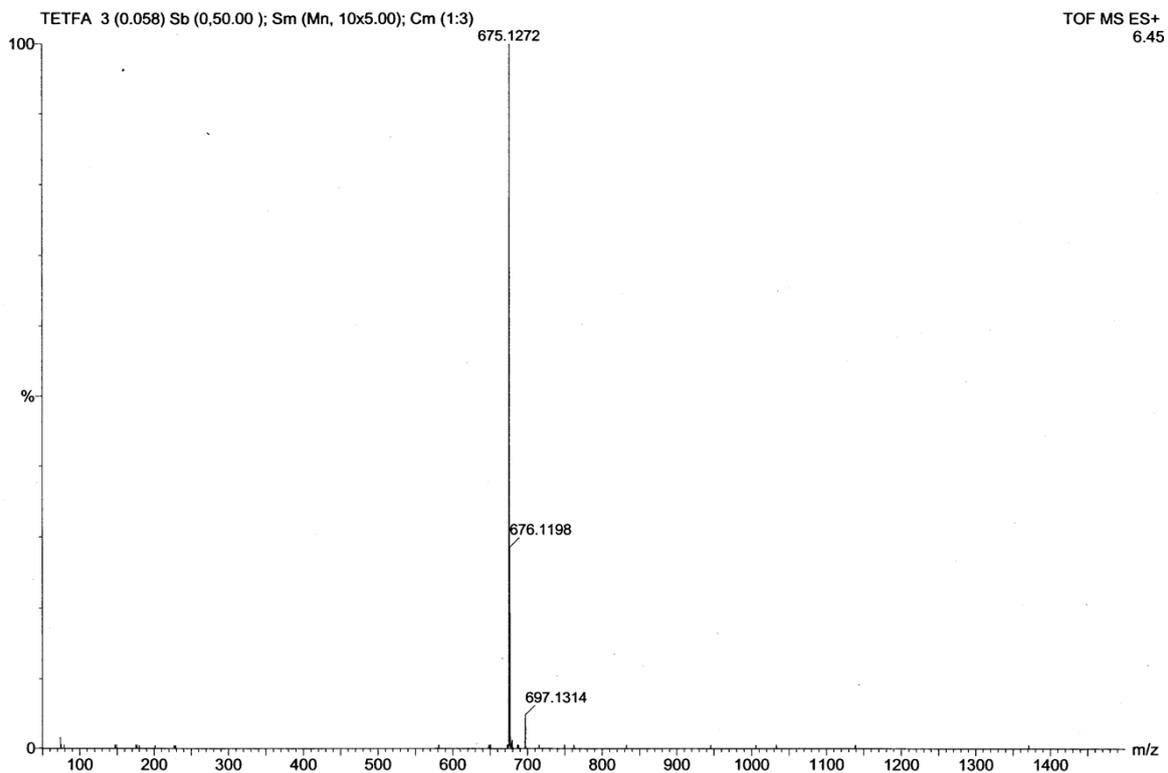
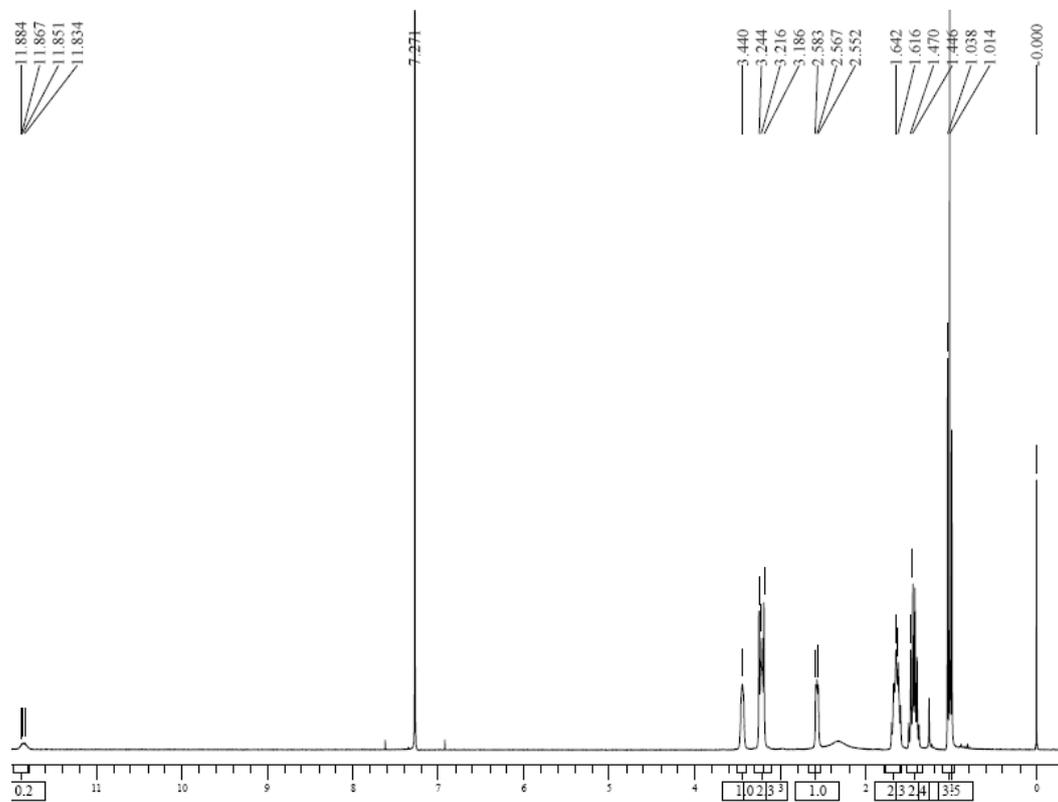


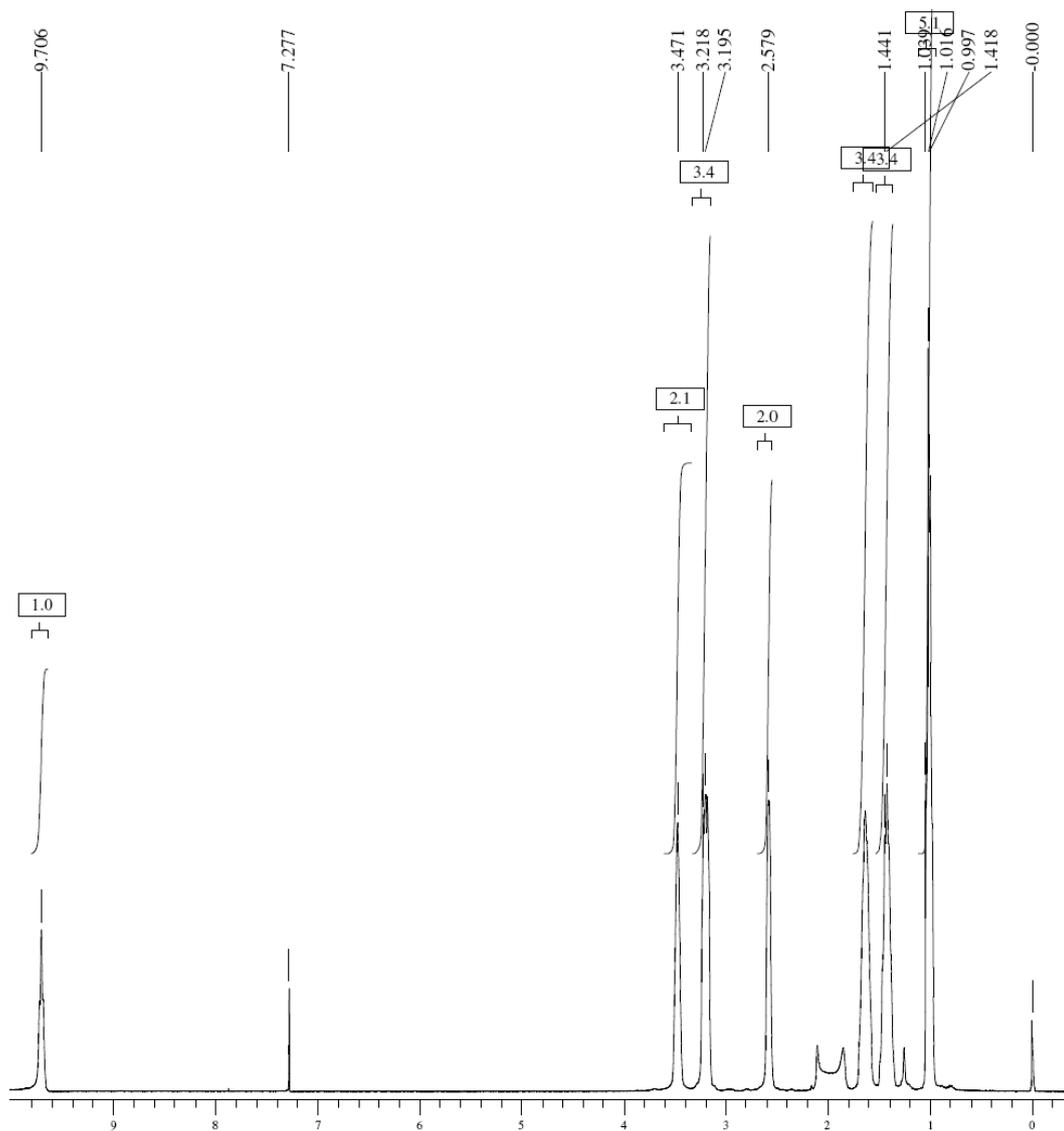
Figure 3S. ESI-MS of L1.



**Figure 5S.**  $^1\text{H-NMR}$  Spectra of Complex **1** in  $\text{CDCl}_3$  at  $25^\circ\text{C}$ .



**Figure 6S.**  $^1\text{H-NMR}$  Spectra of Complex **2** in  $\text{CDCl}_3$  at  $25^\circ\text{C}$ .



**Figure 6S.**  $^1\text{H}$ - NMR titration of **L1** (5.07 mM) with aliquots of  $n\text{-Bu}_4\text{N}^+\text{Br}^-$  (51.61 mM) in  $\text{CDCl}_3$  at  $25^\circ\text{C}$ .

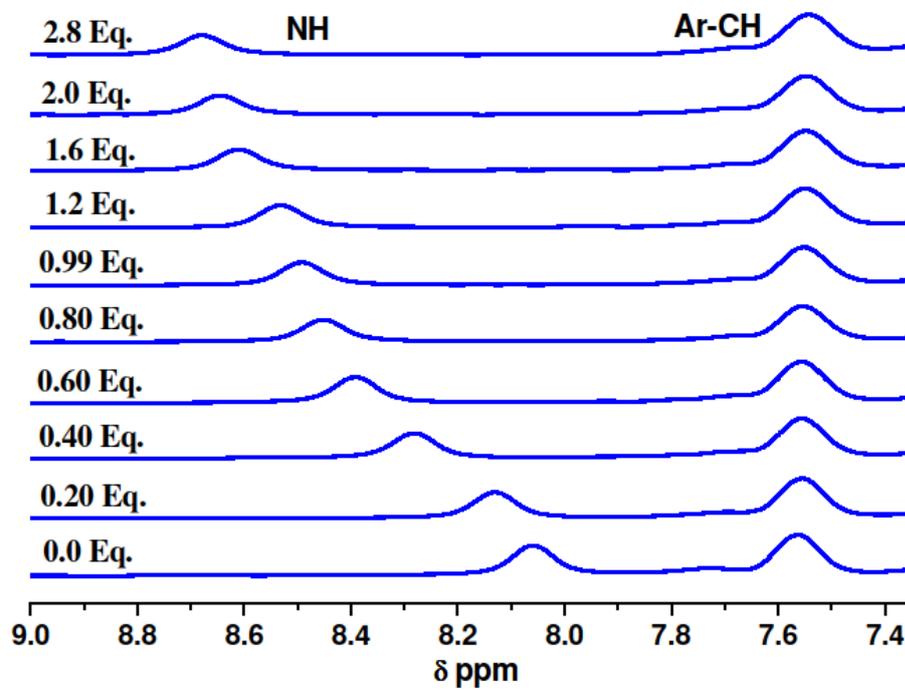
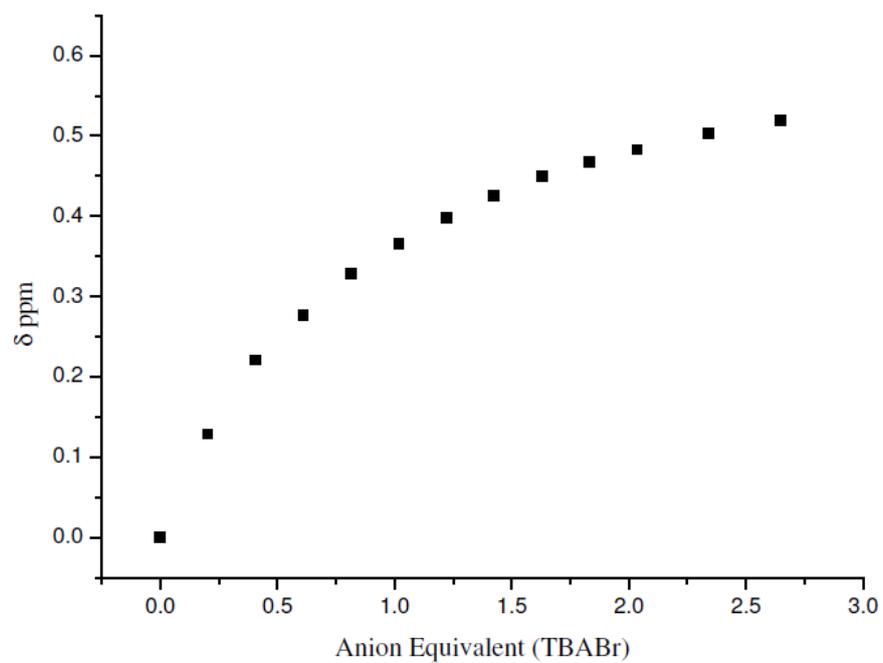


Figure 7S. Chemical shift vs anion equiv. plot of **L1** with  $n\text{-Bu}_4\text{N}^+\text{Br}^-$  in  $\text{CDCl}_3$  at  $25^\circ\text{C}$



**Figure 8S.**  $^1\text{H}$ - NMR titration of **L1** (5.54 mM) with aliquots of  $n\text{-Bu}_4\text{N}^+\text{I}^-$  (55.12 mM) in  $\text{CDCl}_3$  at  $25^\circ\text{C}$ .

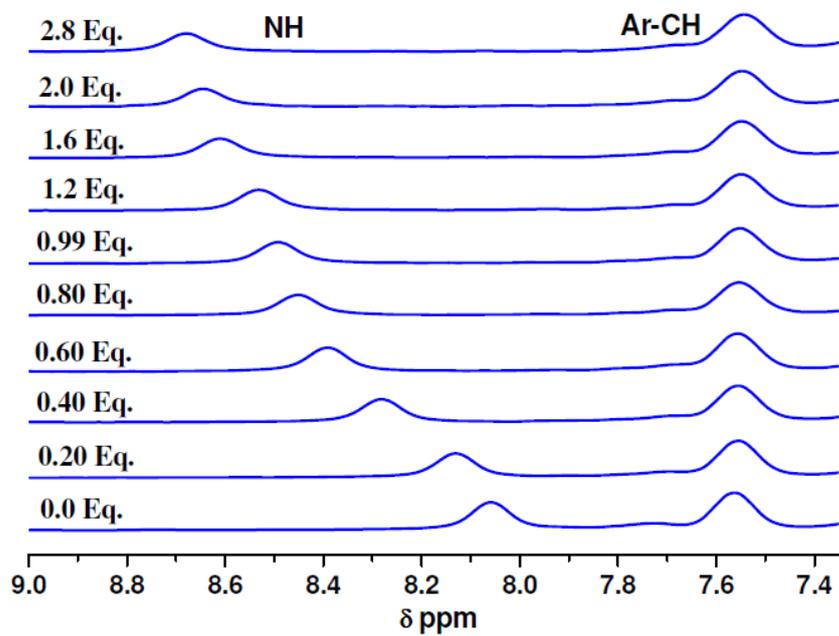
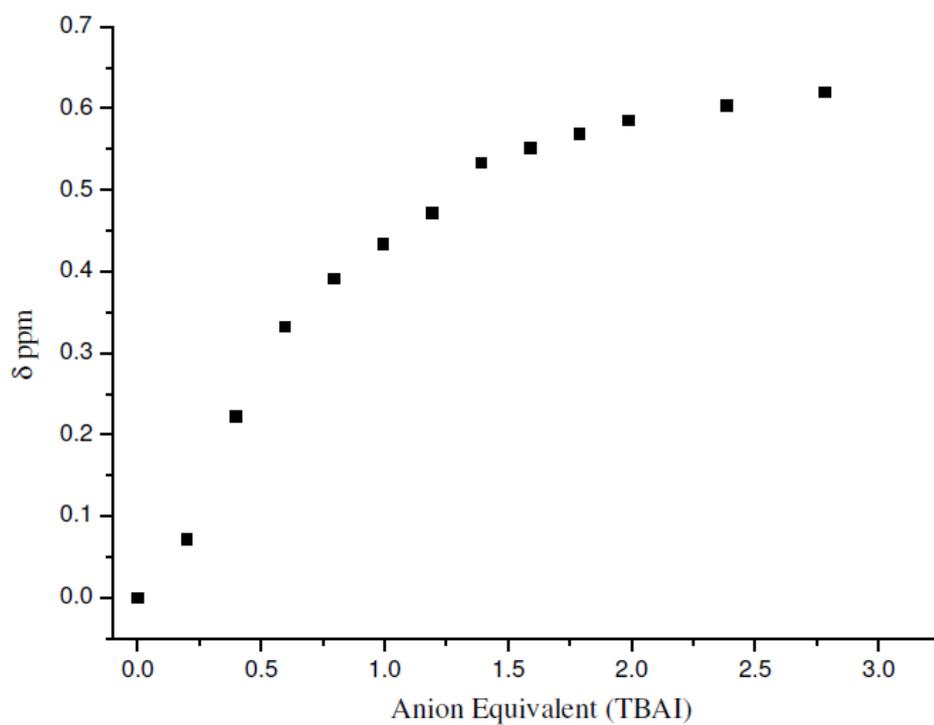
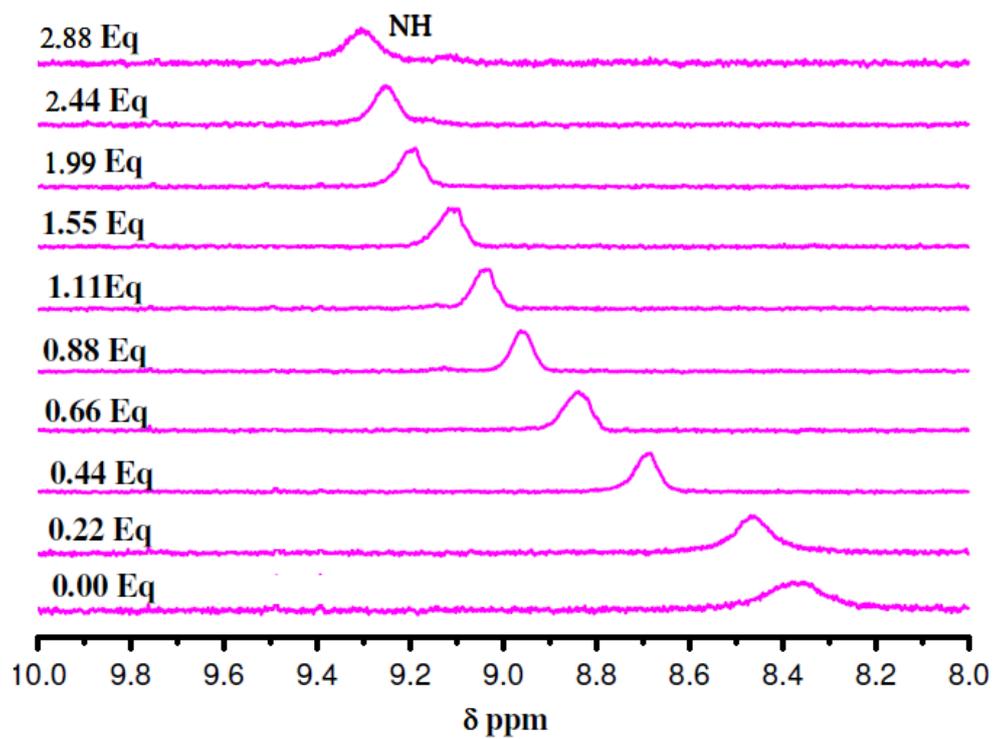


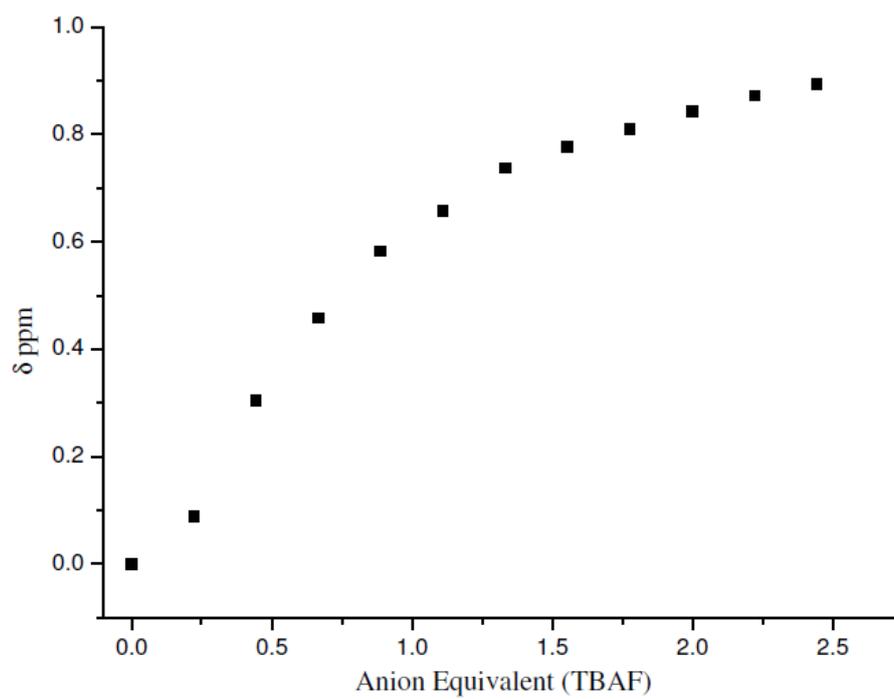
Figure 9S. Chemical shift vs anion equiv. plot of **L1** with  $n\text{-Bu}_4\text{N}^+\text{I}^-$  in  $\text{CDCl}_3$  at  $25^\circ\text{C}$



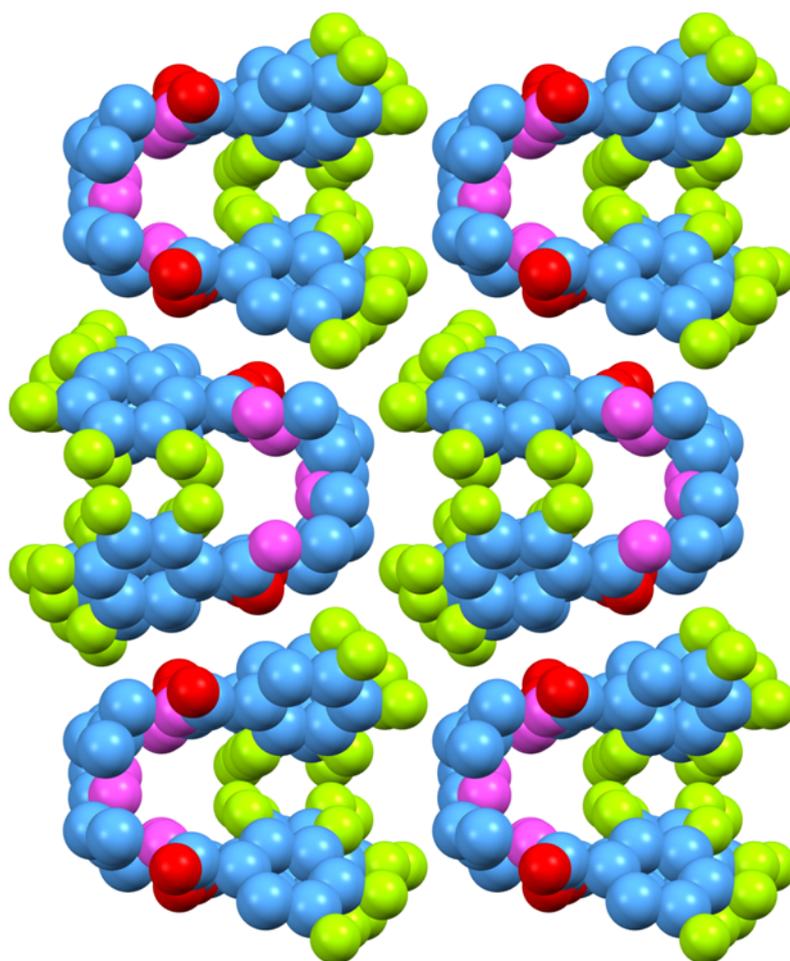
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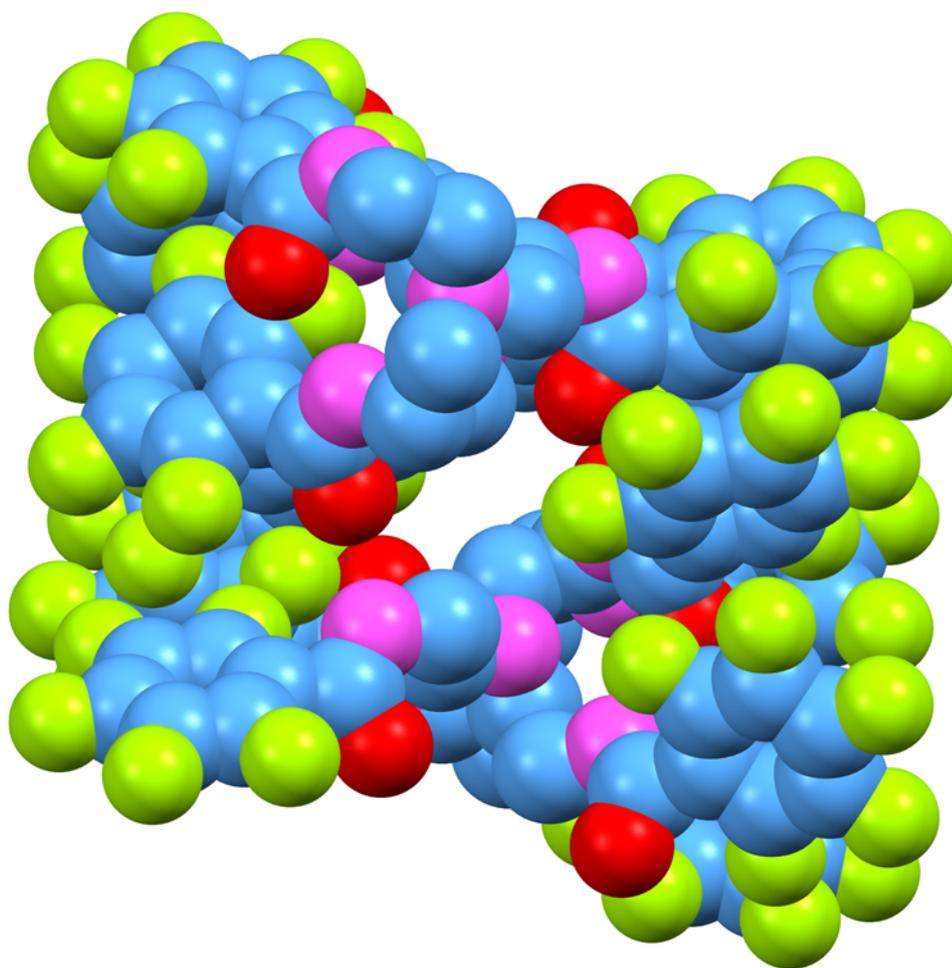
**Figure 11S.** Chemical shift vs anion equiv. plot of **L2** with  $n\text{-Bu}_4\text{N}^+\text{F}^-$  in  $\text{CDCl}_3$  at  $25^\circ\text{C}$



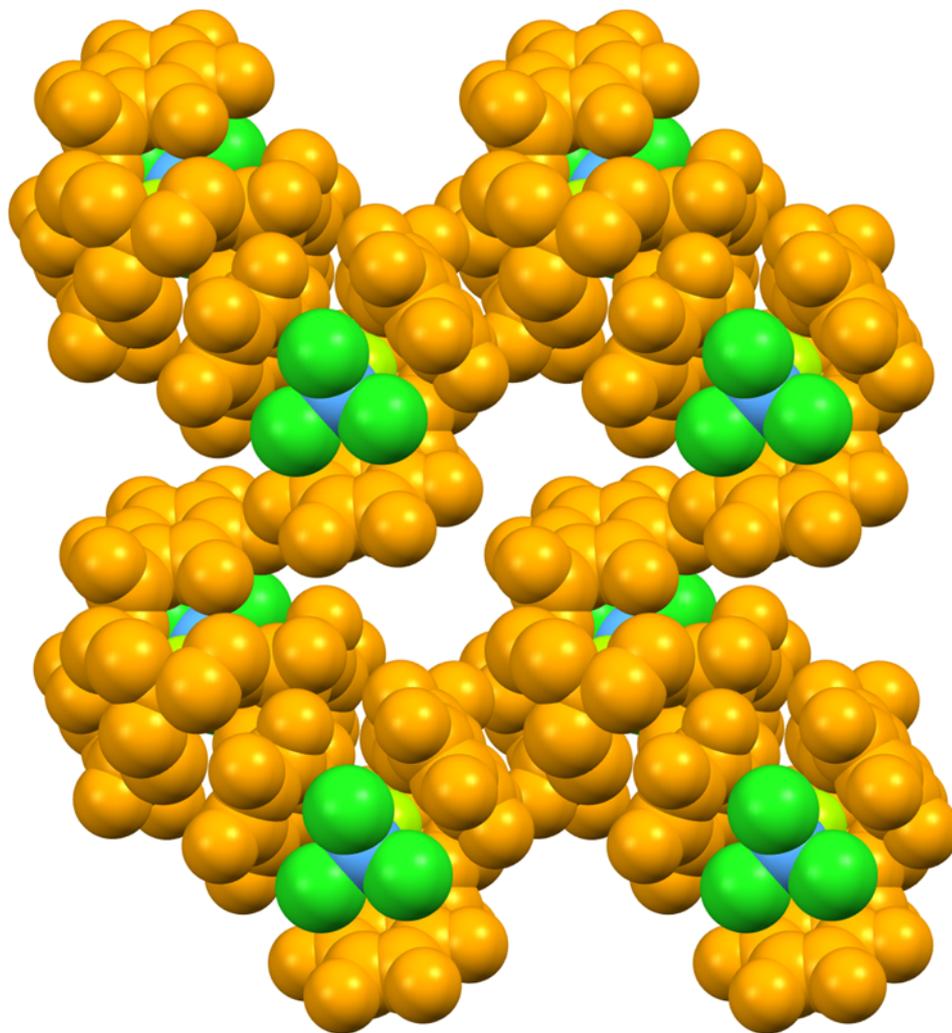
**Figure 12S.** Packing Diagram of **L1** along **c**-axis



**Figure 13S.** Packing Diagram of **L2** along c-axis



**Figure 14S.** Packing Diagram of **1** along a-axis



**Figure 15S.** Packing Diagram of **2** along a-axis

