SUPPORTING INFORMATION

Title: Ratiometric Fluorescence Sensing of Fluoride Ions by an Asymmetric Bidentate Receptor Containing a Boronic Acid and Imidazolium Group

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S-Figure 1. CV changes of compound 1 and 3 depending on amounts of F⁻. All CV experiments performed with 2 mM compound in CH₃CN solution containing 0.1 M TBAPF₆ with v = 0.1 Vs⁻¹. The scale bar represents 10 µA.
S-Figure 2. $^1$H NMR (250 MHz) spectrum of 6 in CDCl$_3$.

S-Figure 3. $^{13}$C NMR (62.5 MHz) spectrum of 6 in CDCl$_3$. 
S-Figure 4. $^1$H NMR (250 MHz) spectrum of 1 in DMSO.

S-Figure 5. $^{13}$C NMR (62.5 MHz) spectrum of 1 in DMSO.
S-Figure 6. $^1$H NMR (250 MHz) spectrum of 2 in DMSO.

S-Figure 7. $^{13}$C NMR (62.5 MHz) spectrum of 2 in DMSO
S-Figure 8. $^1$H NMR (250 MHz) spectrum of 3 in DMSO.

S-Figure 9. $^{13}$C NMR (62.5 MHz) spectrum of 3 in DMSO
S-Figure 10. $^1$H NMR (250 MHz) spectrum of 4 in DMSO.

S-Figure 11. $^{13}$C NMR (62.5 MHz) spectrum of 4 in DMSO