A Chiral Probe for the Detection of Cu(II) by UV, CD and Emission Spectroscopies

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SUPPLEMENTARY INFORMATION AVAILABLE

Figures S1 to S5
**Figure S1.** $^1$H NMR spectra (300 MHz) of compound (S)-2; bottom, $d_6$-DMSO at 30°C; middle, $d_6$-DMSO at 90°C; top, $d_6$-DMSO +D$_2$O at 90°C.

**Figure S2.** pH Spectrophotometric titration of (S)-1 (5x10$^{-4}$M) in MeOH/H$_2$O 80/20. Inset: absorbance (360 nm) vs. pH.
Figure S3. pH Spectrofluorimetric titration of (S)-1 \((10^{-5}\text{M})\) in MeOH/H\textsubscript{2}O 80/20. Inset: fluorescence intensity (370 nm) vs. pH.

Figure S4. pH Spectrofluorimetric titration of (S)-2 \((10^{-5}\text{M})\) in MeOH/H\textsubscript{2}O 80/20. Inset: fluorescence intensity (370 nm) vs. pH.
Figure S5. pH Spectrophotometric titration of (S)-2 in the presence of one equivalent of Ni(NO₃)₂, and (inset) absorbance at 360 nm vs pH (5 × 10⁻⁴ M in MeOH/H₂O 80/20).