Supporting information for

Conjugated Polymer-Enhanced Enantioselectivity in Fluorescent Sensing

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Figure S1. $^1$H NMR spectrum of polymer (S)-6 in CDCl$_3$. 
Figure S2. Fluorescent spectra of (S)-3 (5.0 x 10^{-5} M) + Zn(II) (1.0 x 10^{-4} M) in CH$_2$Cl$_2$ with 1 equiv of (R)- and (S)-leucinol (a). Fluorescent intensities at $\lambda = 515$ nm versus leucinol concentrations (b). ($\lambda_{ex} = 355$ nm, slit: 3/3 nm).
**Figure S3.** Fluorescent spectra of (S)-6 (5.0 x 10^{-5} M) + Zn^{II} (1.0 x 10^{-4} M) in CH_2Cl_2 toward various concentrations of (R)- (a) and (S)-7 (b). (λ_ex = 355 nm, slit: 3/3 nm).
Figure S4. Fluorescent spectra of (R)-6 (5.0 x 10^{-5} M) + Zn^{II} (1.0 x 10^{-4} M) in CH$_2$Cl$_2$ toward various concentrations of (R)- (a) and (S)-7 (b). Fluorescence intensities versus leucinol concentrations (error bars are from three independent measurements) (c). ($\lambda_{ex}$ = 355 nm, slit: 3/3 nm).
Figure S5. Fluorescent response of (S)-6 + SA (1:2, total concentration: $1.5 \times 10^{-4}$ M in CH$_2$Cl$_2$) + Zn(II) ($3.0 \times 10^{-4}$ M) toward amino alcohol 7 at various total concentrations with varying percentages of (R)-7 ($\lambda_{ex} = 355$ nm, slit: 3/3 nm).
Figure S6. Fluorescent response of (R)-6+SA (1:2, total concentration: $1.5 \times 10^{-4}$ M in CH$_2$Cl$_2$) + Zn$^{II}$ ($3.0 \times 10^{-4}$ M) towards (R)- and (S)-7 ($\lambda_{ex} = 355$ nm, slits: 3/3 nm).
Figure S7. Fluorescent spectra of (S)-6 (5.0 x 10^{-5} M) + Zn^{II} (1.0 x 10^{-4} M) in CH$_2$Cl$_2$ toward various concentrations of (R)-(a) and (S)-8 (b). Fluorescence intensities versus concentrations of amino alcohol 8 (error bars are from three independent measurements) (c). ($\lambda_{ex} = 355$ nm, slit: 3/3 nm).
Figure S8. Fluorescent spectra of (S)-6 (5.0 x 10^{-5} M) + Zn^{II} (1.0 x 10^{-4} M) in CH$_2$Cl$_2$ toward various concentrations of (R)- (a) and (S)-9 (b). Fluorescence intensities versus concentrations of amino alcohol 9 (error bars are from three independent measurements) (c). ($\lambda_{ex}$ = 355 nm, slit: 3/3 nm).
Figure S9. Fluorescent spectra of (S)-6 (5.0 x 10^{-5} M) + Zn^{II} (1.0 x 10^{-4} M) in CH_{2}Cl_{2} toward various concentrations of (R)- (a) and (S)-10 (b). Fluorescence intensities versus concentrations of amino alcohol 10 (error bars are from three independent measurements) (c). (λ_{ex} = 355 nm, slit: 3/3 nm).
**Figure S10.** Fluorescent spectra of (S)-6 (5.0 x 10^{-5} M) + Zn^{II} (1.0 x 10^{-4} M) in CH_{2}Cl_{2} toward various concentrations of (R)- (a) and (S)-11 (b). Fluorescence intensities versus concentrations of amino alcohol 11 (error bars are from three independent measurements) (c). (\lambda_{ex} = 355 nm, slit: 3/3 nm).
Figure S11. Fluorescent spectra of (S)-3 (5.0 x 10^{-5} M) + Zn\textsuperscript{II} (1.0 x 10^{-4} M) in CH\textsubscript{2}Cl\textsubscript{2} toward various concentrations of (R)- (a) and (S)-7 (b). (\textlambda_{ex} = 355 \text{ nm}, \text{ slit: 3/3 nm}).
Figure S12. Fluorescent spectra of (S)-3 ($5.0 \times 10^{-5}$ M) + Zn$^{II}$ ($1.0 \times 10^{-4}$ M) in CH$_2$Cl$_2$ toward various concentrations of (R)- (a) and (S)-8 (b). Fluorescence intensities versus concentrations of amino alcohol 8 (c). ($\lambda_{ex}$ = 355 nm, slit: 3/3 nm).
Figure S13. Fluorescent spectra of (S)-3 (5.0 x 10^{-5} M) + Zn^{II} (1.0 x 10^{-4} M) in CH_2Cl_2 toward various concentrations of (R-) (a) and (S)-9 (b). Fluorescence intensities versus concentrations of amino alcohol 9 (c). (λ_{ex} = 355 nm, slit: 4/4 nm).
Figure S14. Fluorescent spectra of (S)-3 (5.0 x 10^{-5} M) + Zn^{II} (1.0 x 10^{-4} M) in CH₂Cl₂ toward various concentrations of (R)- (a) and (S)-10 (b). Fluorescence intensities versus concentrations of amino alcohol 10 (c). (λₑₓ = 355 nm, slit: 4/4 nm).
Figure S15. Fluorescent spectra of (S)-3 (5.0 x 10^{-5} M) + Zn^{II} (1.0 x 10^{-4} M) in CH_{2}Cl_{2} toward various concentrations of (R)- (a) and (S)-11 (b). Fluorescence intensities versus concentrations of amino alcohol 11 (c). (λ_{ex} = 355 nm, slit: 4/4 nm).
Figure S16. $^1$H NMR spectrum of (S)-4 in CDCl$_3$. 

NMR Spectra
Figure S17. $^{13}$C NMR spectrum of (S)-4 in CDCl$_3$. 
Figure S18. $^1$H NMR spectrum of (R)-4 in CDCl$_3$. 
Figure S19. $^{13}$C NMR spectrum of (R)-4 in CDCl$_3$. 
Figure S20. $^1$H NMR spectrum of (S)-6 in CDCl$_3$+D$_2$O (1% v/v).
Figure S21. $^1$H NMR spectrum of (R)-6 in CDCl$_3$. 
Figure S22. $^{13}$C spectrum of (S)-6 in CDCl$_3$. 
Figure S23. $^{13}$C spectrum of (R)-6 in CDCl$_3$. 
Figure S24. HRMS spectrum of (S)-4.
Figure S25. HRMS spectrum of (R)-4.
Figure S26. GPC data for (S)-6.
Figure S27. GPC data for (R)-6.