Electronic supplementary information

The synthesis of chiral triphenylpyrrole derivatives and their aggregation-induced emission enhancement, aggregation-induced

circular dichroism and helical self-assembly

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Figure S9 Fluorescence spectra of (*R*)-TPPBAm (a), (*S*)-TPPBAm (b) and *rac*-TPPBAm (c) in THF-hexane mixtures (Inset: Plot of I/I₀ of compounds versus hexane fraction ($f_{\rm H}$)) ($\lambda_{\rm ex}$ =310 nm, Concentration: 10 μ M)



(a) (S)-TPPBAm

(b) rac-TPPBAm

Figure S10 Molecular orbital amplitude plots of HOMO and LUMO energy levels of compounds (*S*)-TPPBAm and *rac*-TPPBAm



Figure S11 CD spectra of (*R*)-TPPBAm and (*S*)-TPPBAm (a), CD and UV-vis spectra of *rac*-TPPBAm (b) in THF-water mixtures (Concentration: 10µM)



Figure S12 CPL pectra and dissymmetry factor g_{em} versus wavelength of the chiral compounds in THF-water mixtures ($\lambda_{ex} = 310$ nm, Concentration: 10 µM) ($\Delta I = I_L (\lambda) - I_R (\lambda) g_{em} = 2\Delta I (\lambda) / I (\lambda)$, where $I (\lambda) = I_L (\lambda) + I_R (\lambda)$, I_L and I_R denote the intensities of the left (L) and right (R) circularly polarized components of the emitted radiation)