

Influence of receptor flexibility on intramolecular hydrogen bonding

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Supplementary Information

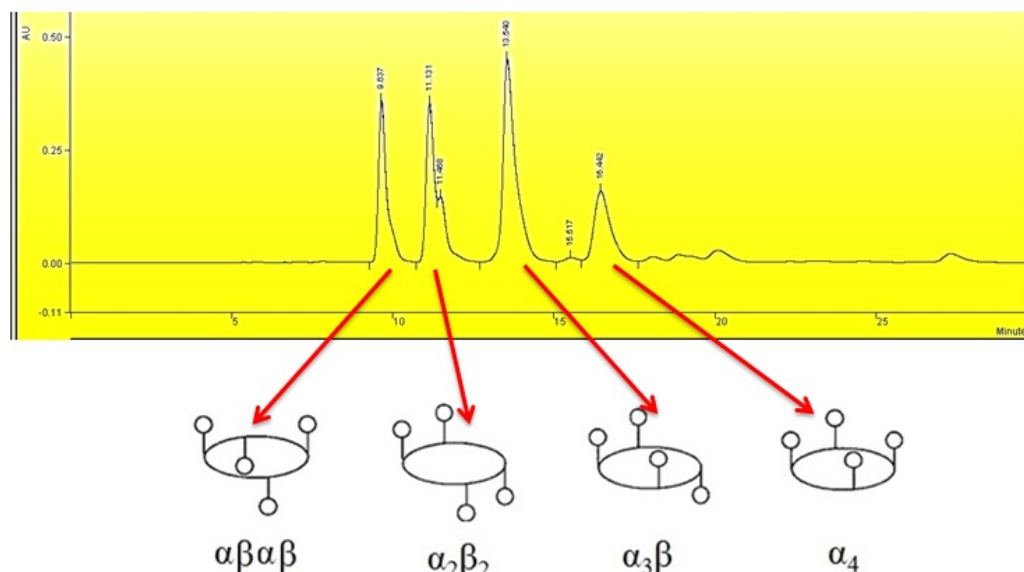


Fig. S1. HPLC separation for the four atropisomers of P3aCl. Conditions: XBridge C18 Column (5 μ m, 4.6 \times 250mm); room temperature; mobile phase, isocratic elution with 80% acetonitrile in water with 0.1% TFA for 30 minutes; detection at 420nm. Retention time for each atropisomer: $t_R(\alpha\beta\alpha\beta)$ = 9.64 min; $t_R(\alpha_2\beta_2)$ = 11.13 min; $t_R(\alpha_3\beta)$ = 13.54 min; $t_R(\alpha_4)$ = 16.44 min.

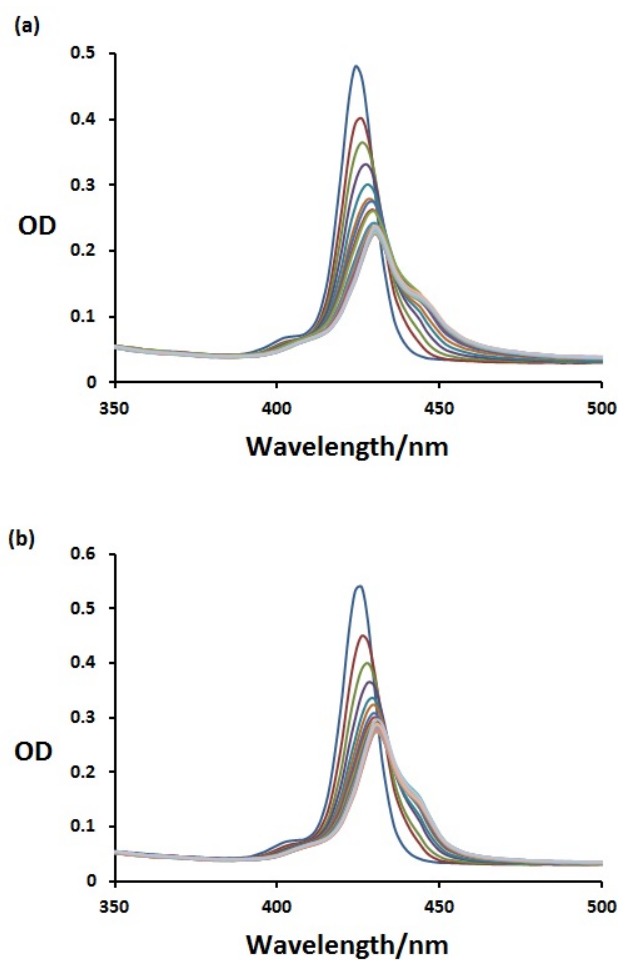


Fig. S2. Plate reader UV/Vis spectra of not simple 1:1 binding titration in toluene (a) P4aCl $\alpha\beta\alpha\beta$ (5 μ M) with L3e (2 mM) (b) P4aCl $\alpha_2\beta_2$ (5 μ M) with L3e (2 mM).

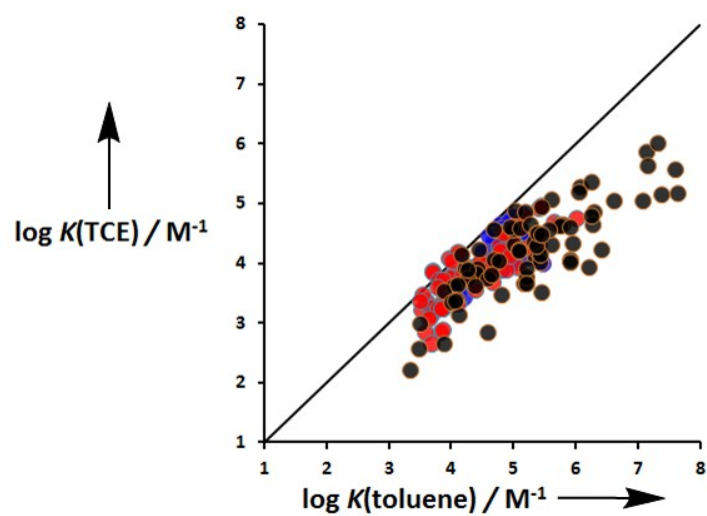


Fig. S3. Comparison of association constants ($\log K / \text{M}^{-1}$) measured in toluene with the corresponding values measured in TCE. Data for ester amide ligands (Le) in black, ester ligands (Lb) in red and control ligands (Lc) in blue. The line corresponds to $\log K(\text{TCE}) = \log K(\text{toluene})$.