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 (5um, 4.6×250mm); 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}(αβαβ) = 9.64 min; t_{R}(α_2β_2) = 11.13 min; t_{R}(α_3β) = 13.54 min; t_{R}(α_4) = 16.44 min.

Fig. S2. Plate reader UV/Vis spectra of not simple 1:1 binding titration in toluene (a) P4aCl αβαβ (5 μM ) with L3e (2 mM) (b) P4aCl α_2β_2 (5 μM) with L3e (2 mM).
Fig. S3. Comparison of association constants (log $K$ / 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 $K$(TCE) = log $K$(toluene).