Perturbation of cationic equilibrium by cucurbit-7-uril

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Electronic Supplementary Information
**Fig S1.** Fluorescence titration dot of MC2 of DMAPIP-b plot showing the complete binding at higher CB-7 concentration, $\lambda_{exc} = 390$ nm

**Fig S2.** Fluorescence titration dot plot of MC3 of DMAPIP-b showing the complete binding at higher CB-7 concentration, $\lambda_{exc} = 440$ nm
**Fig S3.** Fluorescence titration dot plot of MC2 of DMAPIP-c showing the complete binding at higher CB-7 concentration, $\lambda_{exc} = 310$ nm

**Fig S4.** Fluorescence titration dot plot of MC3 of DMAPIP-c showing the complete binding at higher CB-7 concentration, $\lambda_{exc} = 390$ nm
Fig. S5 (a) The different binding mode of MC3 of (a) DMAPIP-b (The protonated pyridyl nitrogen present inside CB-7 cavity, (b) DMAPIP-c (The protonated pyridyl nitrogen present closer to carbonyl portal and favours hydrogen bonding),