Supplementary Material (ESI) for New Journal of Chemistry

Electronic Supplementary Information

Exclusion complexes of the HCl salts of benzidine and bis(4-aminophenyl) methane with two methyl-substituted cucurbiturils

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Generally, the binding constants can be calculated based on the absorbance or fluorescence intensity *vs* ratio of moles of the host SQ[6] and guest ($N_{SQ[6]}/N_{guest}$) data. However, for these two typical host-guest interaction systems, both the absorbance or fluorescence intensity data are almost linear as the ratio of $N_{SQ[6]}/N_{guest}$ is increased and are not suitable for calculating the related binding constants.

Supplementary Figures

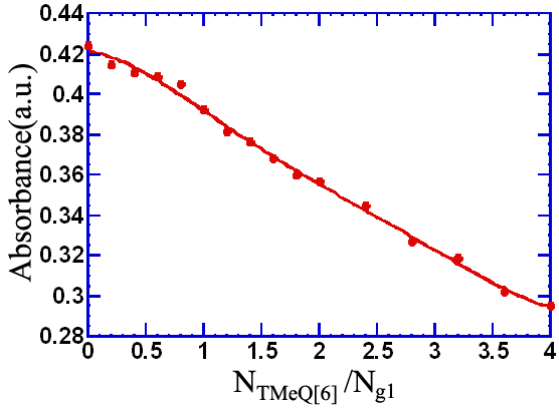

Figure 1 The curve of the absorbance *vs* the ratio of moles of the host TMeQ[6] and the guest g1·HCl ($N_{TMeQ[6]}/N_{g1\ HCl}$) at λ_{max} = 281 nm

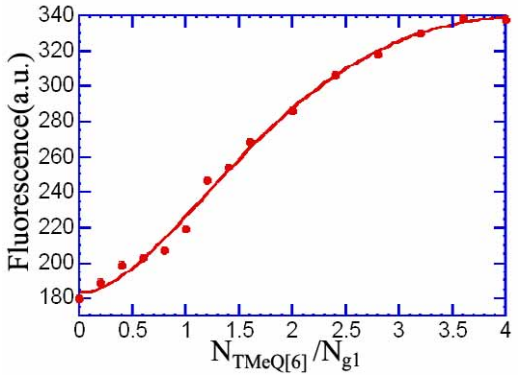

Figure 2 The curve of the fluorescence intensity *vs* the ratio of moles of the host TMeQ[6] and the guest g1·HCl ($N_{TMeQ[6]}/N_{g1\ HCl}$) at λ_{max} = 411 nm

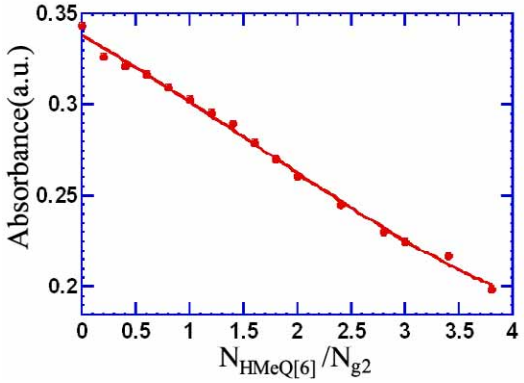

Figure 3 The curve of the absorbance *vs* the ratio of moles of the host HMeQ[6] and the guest g2·HCl ($N_{HMeQ[6]}/N_{g2\ HCl}$) at λ_{max} = 242 nm

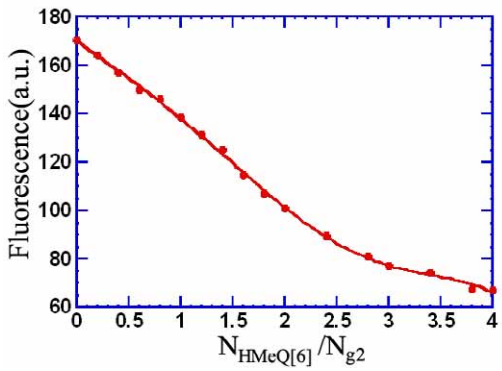

Figure 4 The curve of the fluorescence intensity *vs* the ratio of moles of the host HMeQ[6] and the guest g2·HCl ($N_{HMeQ[6]}/N_{g2\ HCl}$) at λ_{max} = 353 nm