

Supporting Information

Electrochemiluminescence response of benzouril-constructed electrode for bipyridyl herbicides

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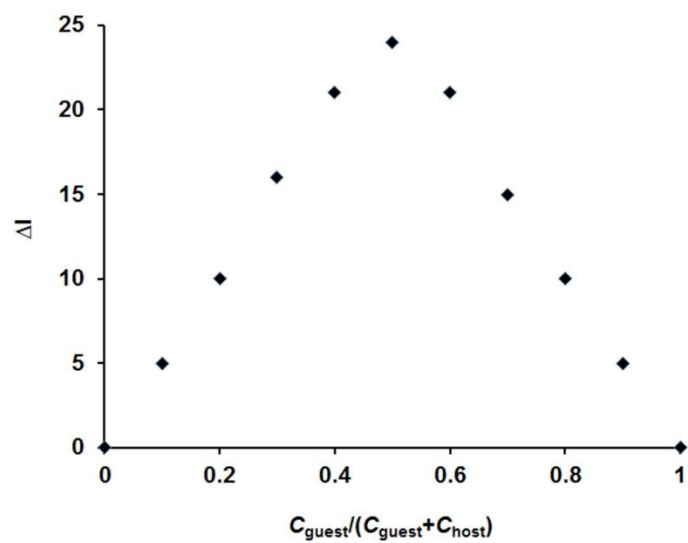


Figure S1. The Job's plot of the interaction between benzo[6]uril **1** and guest molecule **3**. The total concentration was maintained at $1.0 \times 10^{-5} \text{ mol}\cdot\text{L}^{-1}$ and the fluorescence intensity was recorded at $\lambda_{\text{em}} = 327 \text{ nm}$ and $\lambda_{\text{ex}} = 304 \text{ nm}$.

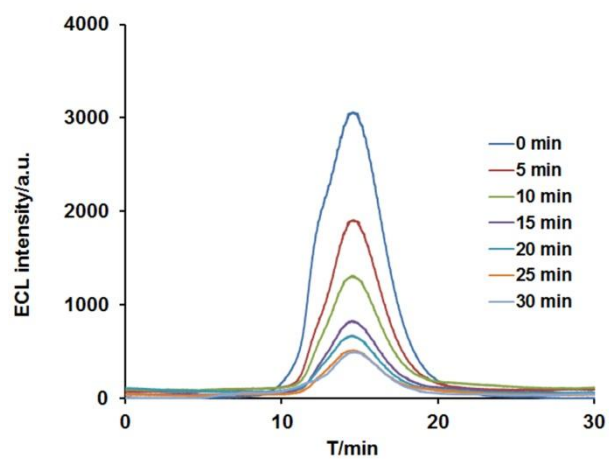


Figure S2. Effect of incubation time on the ECL intensity of the benzo[6]uril **1**/GCE in 0.2 M pH=12.0 hepes buffer solution after incubation in 1.0 μ M paraquat solution.

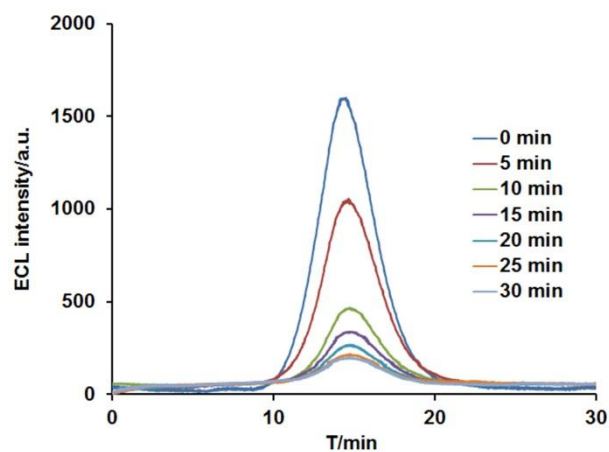


Figure S3. Effect of incubation time on the ECL intensity of the benzo[6]uril 1/GCE in 0.2 M pH=12.0 hepes buffer solution after incubation in 1.0 μ M diquat solution.

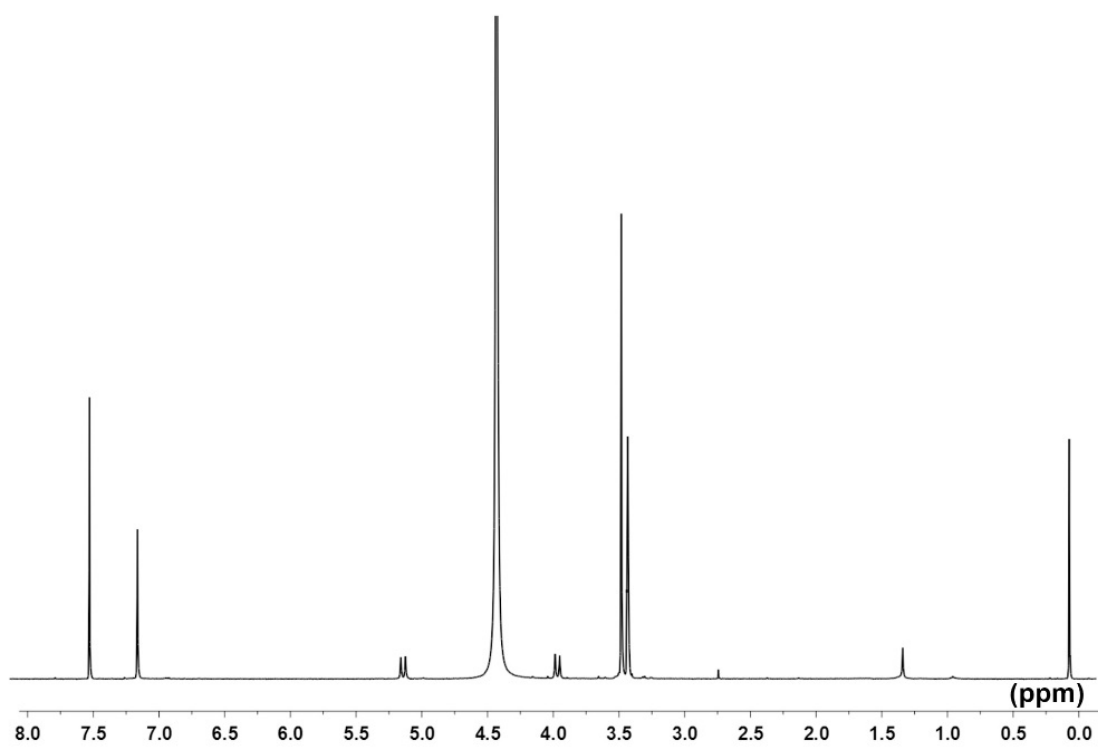


Figure S4. ^1H NMR spectrum of benzo[6]juril **1** at 25 °C.

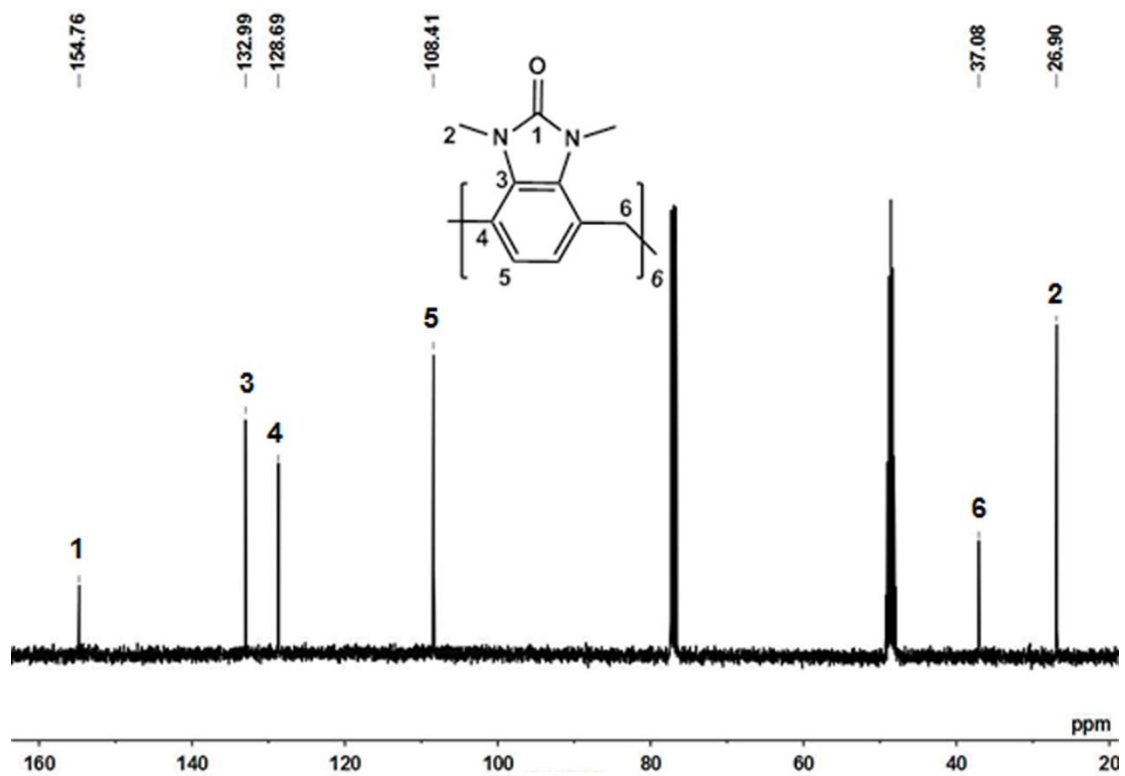


Figure S5. ^{13}C NMR spectrum of benzo[6]uril 1.

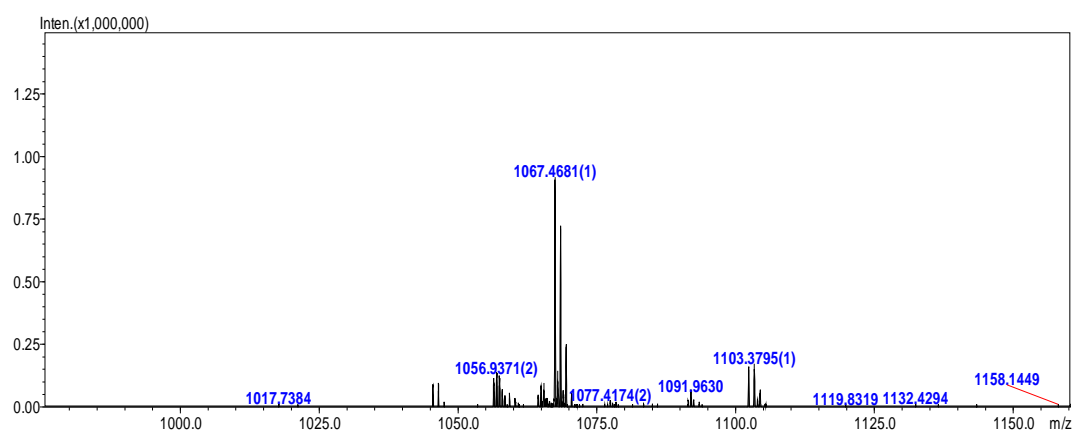


Figure S6. High resolution MS of benzo[6]uril 1.

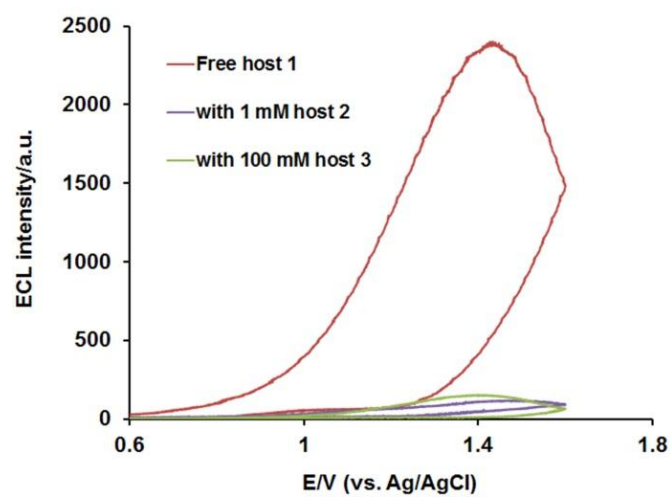


Figure S7. ECL intensity of host **1** with 1 mM guest **2** and 100 mM guest **3**.

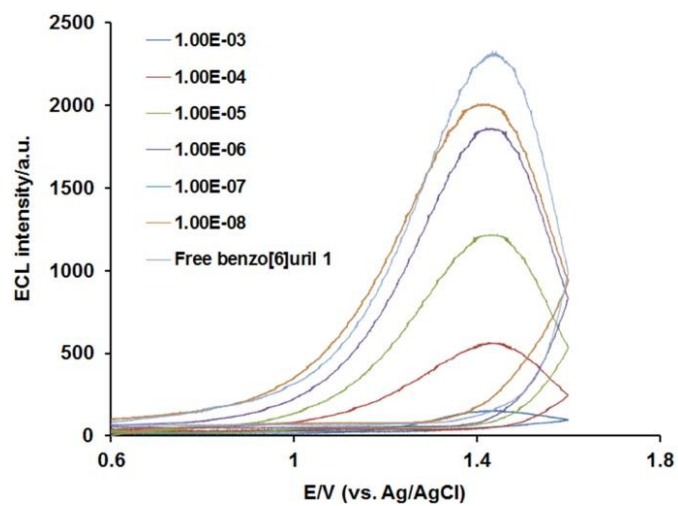


Figure S8. ECL intensity of host **1** with different concentrations of guest **2**.

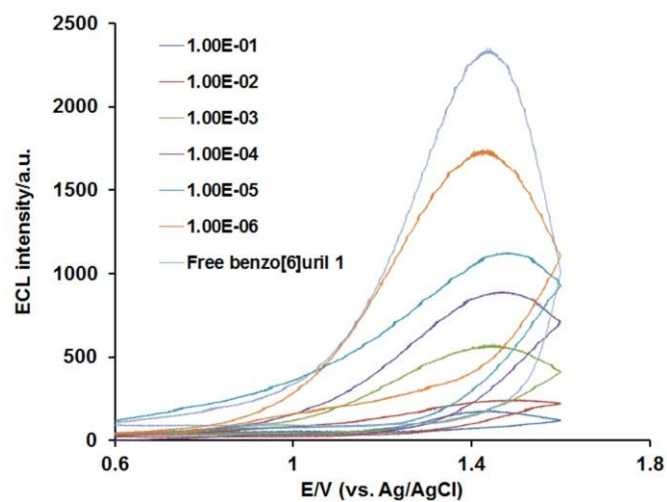


Figure S9. ECL intensity of host **1** with different concentrations of guest **3**.

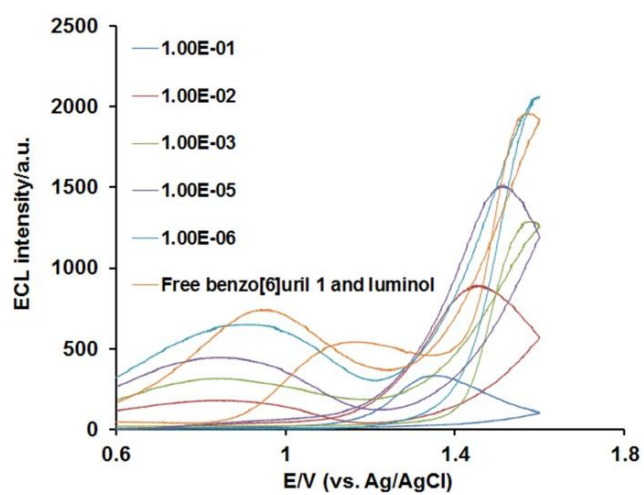


Figure S10. ECL intensity of host **1** absorbs luminol with different concentrations of guest **2**.

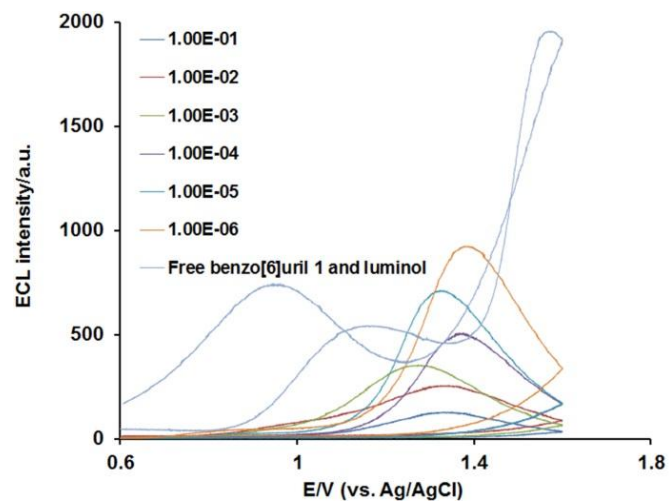


Figure S11. ECL intensity of host **1** absorbs luminol with different concentrations of guest **3**.