

Supporting information

Host-guest interaction of cucurbit[8]uril with N-(3-Aminopropyl)cyclohexylamine: cyclohexylalkane encapsulation triggered ternary complex

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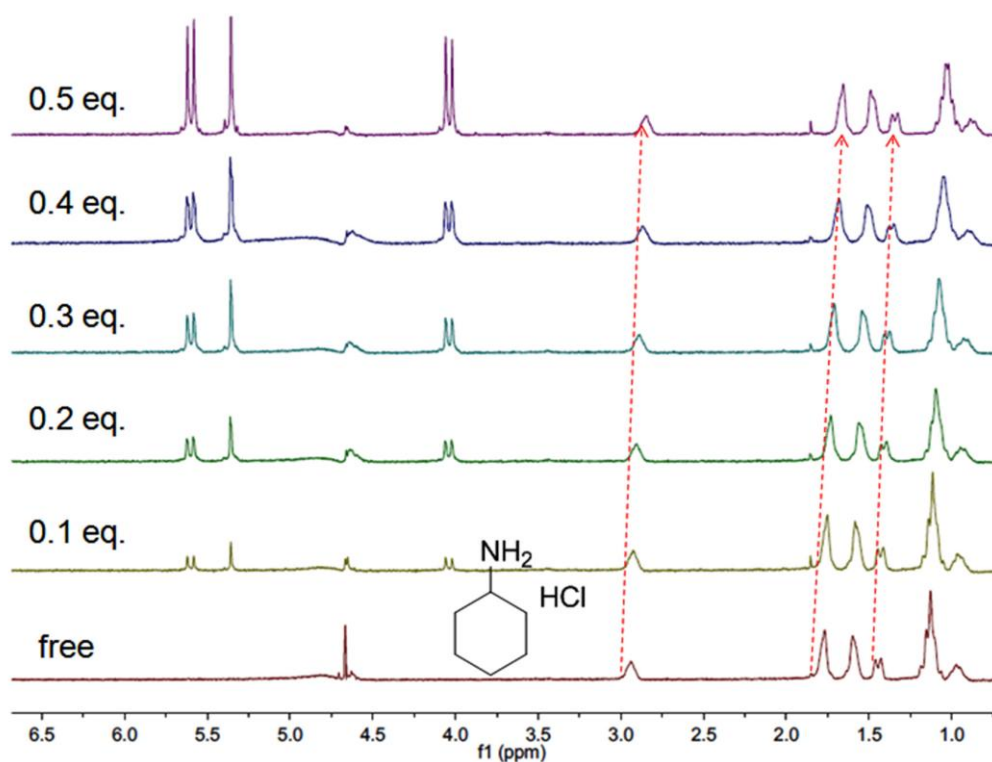


Figure S1. ¹H NMR titration spectra of the CyA guest in D₂O (1.0 mmol, pD = 2.45) with increasing concentrations of the Q[8] host at room temperature.

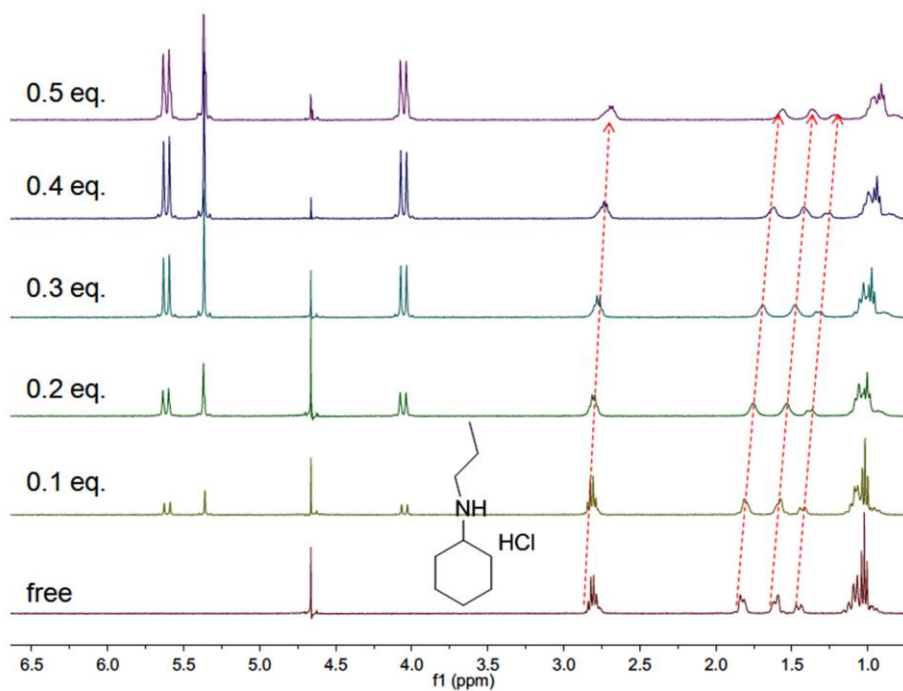


Figure S2. ^1H NMR titration spectra of the **NECyA** guest in D_2O (1.0 mmol, $\text{pD} = 2.45$) with increasing concentrations of **Q[8]** host at room temperature.

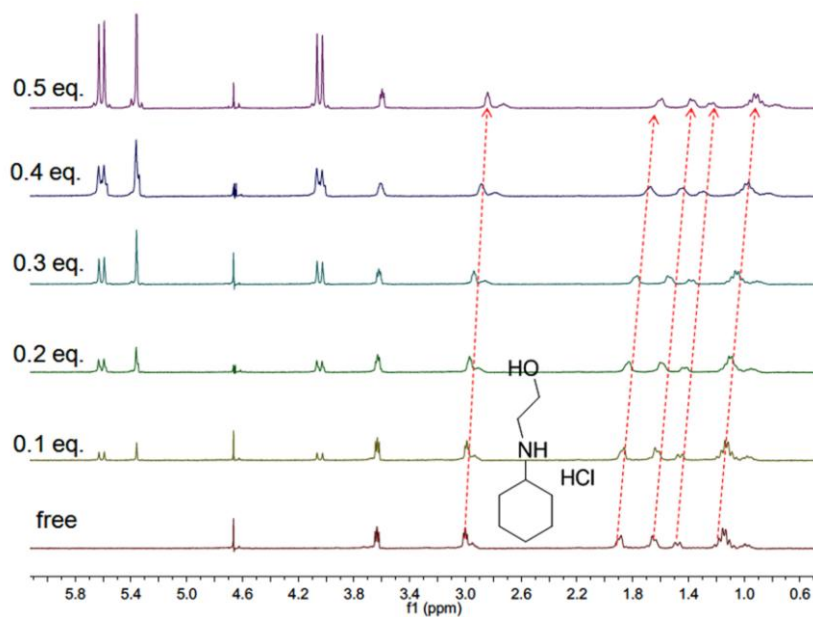


Figure S3. ^1H NMR titration spectra of the **NCyEA** guest in D_2O (1.0 mmol, $\text{pD} = 2.45$) with increasing concentrations of the **Q[8]** host at room temperature.

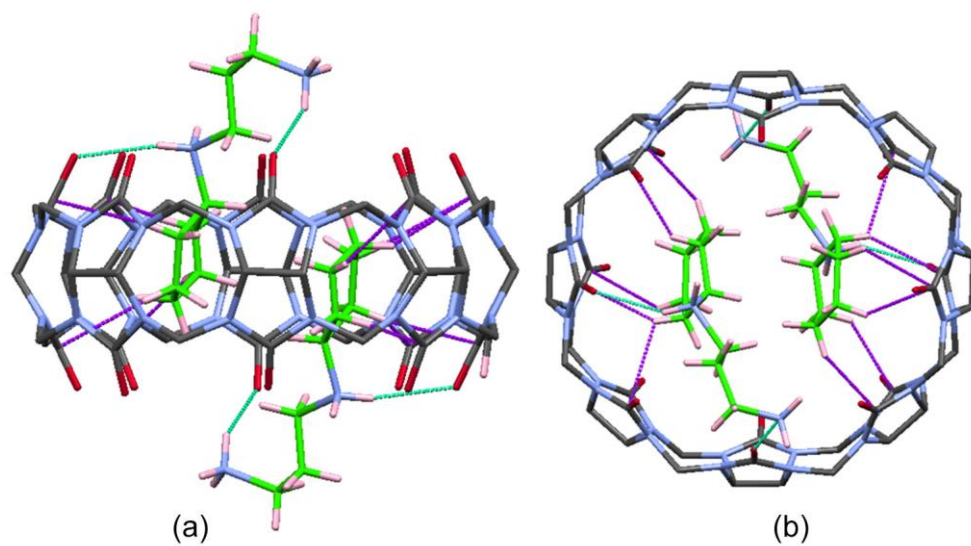


Figure S4. X-ray structure of Q[8]•N3ACyA: (a) side view; (b) top view; hydrogen bond (green), C-H... π interaction (magenta). Hydrogen atoms, solvate water molecules, and $[\text{CdCl}_4]^{2-}$ dianions are omitted for clarity.