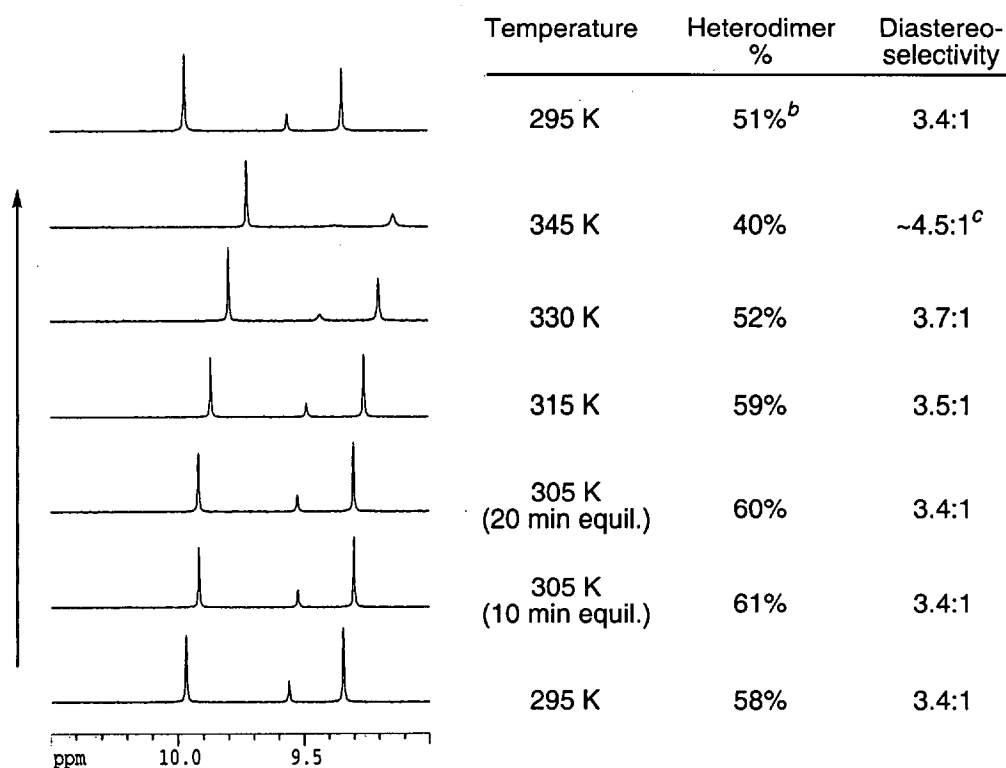


Supporting Information for "Transfer of Chiral Information Through Molecular Assembly"

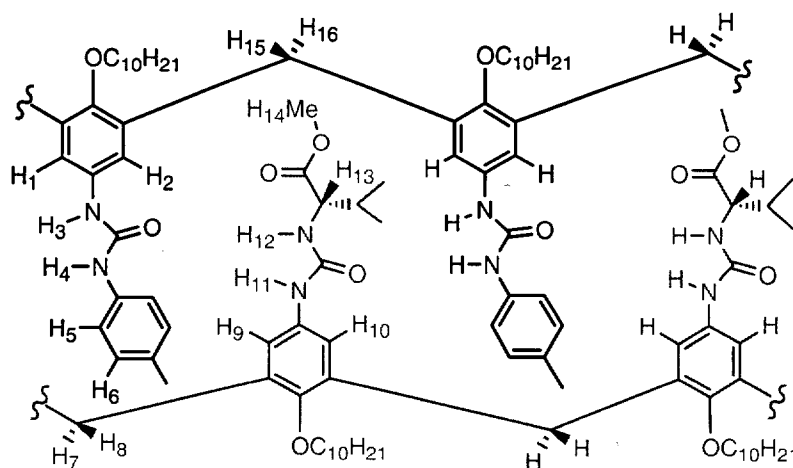
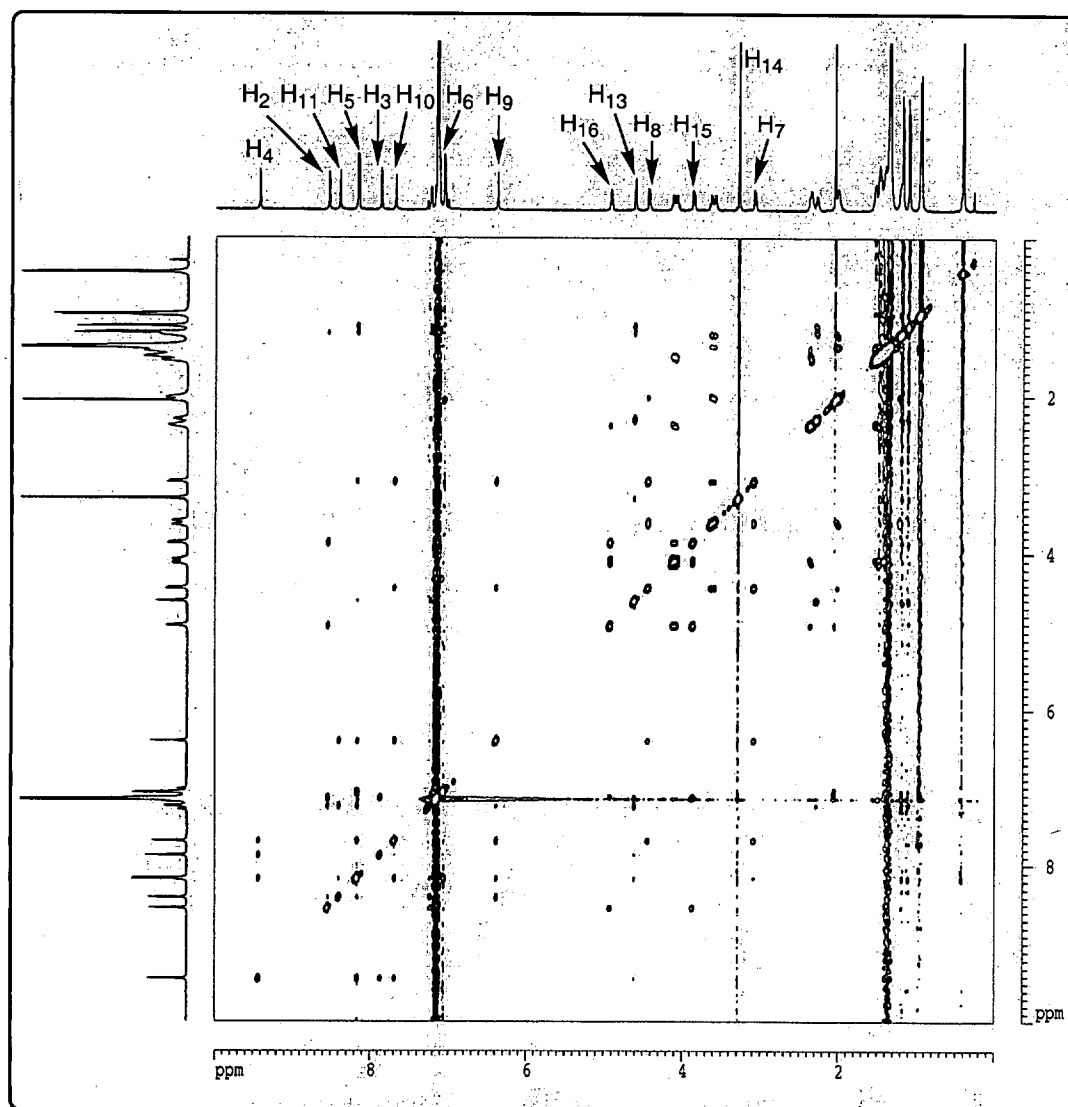
R. K. Castellano, C. Nuckolls, and J. Rebek, Jr.
J. Am. Chem. Soc.

Arylurea **1** + L-Alanine **10** (1:1) in C₆D₆^a

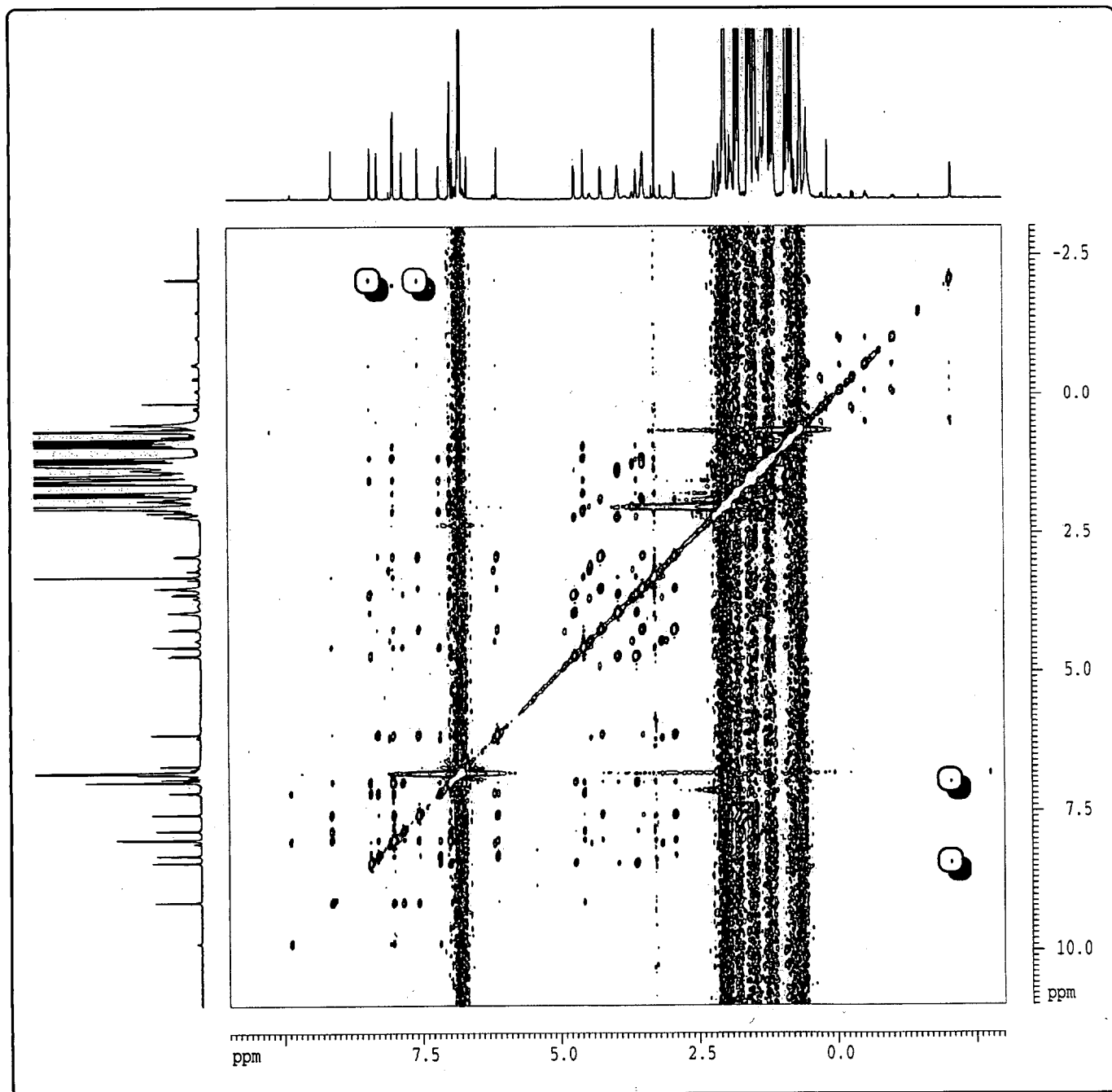


^a 1.2 mM. ^b Considered the equilibrium percentage, as taken after sitting for 12h. A second sample, prepared at the same time, gave the same percentage after the 12h period. ^c The -NH peaks of the heterodimers became broad and could not be reliably integrated.

ROESY Spectrum of Assembly **1•6** in C₆D₆, 1.4 mM



ROESY Spectrum of Assembly **1•5** in *p*-xylene-*d*₁₀, 1.3 mM,
with excess (*R*)-(+)-3-methylcyclopentanone



NOEs from the methyl group of the guest to the aromatic protons of the arylurea calixarene (H_1 and H_2 on the **1•6** ROESY) are as indicated. The NOE highlighted in gray does not appear symmetrically. Small resonances in the baseline arise from the homodimers.

Titration of **6** With Arylurea **1** in CDCl_3 ($c = 1.2 \times 10^{-4} \text{ M}$, $l = 1 \text{ mm}$)

