Supporting Information for

**Effect of varying bases on preferential crystallization of c-methylresorcin[4]arene and calix[6]arene**

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**Materials and methods:**

Calix[6]arene (Calix6) was purchased from TCI. TEA and Pyridine were purchased from Aldrich and Acros Organics, respectively. MeOH and DMF were purchased from Fisher Scientific. DMSO-*d6* was purchased from Cambridge Isotope Laboratories.

NMR spectra were recorded in a Bruker AV 400 MHz spectrometer

**Synthesis:**

C-methylresorcin[4]arene (RsC1) is synthesized following the literature method.1



**Figure S1.** 1H NMR of RsC1 in DMSO-d6. Solvent peaks are indicated by asterisks.

1. a) Tunstad, L. M.; Tucker, J. A.; Dalcanale, E.; Weiser, J.; Bryant, J. A.; Sherman, J. C.; Helgeson, R. C.; Knobler, C. B.; Cram, D. J. *J. Org. Chem.* **1989**, *54*, 1305. b) Elidrisi, I.; Negin, S.; Bhatt, P. V.; Govender, T.; Kruger, H. G., Gokel, G. W.; Maguire, G. E. M. *Org. Biomol. Chem.* **2011**, *9*, 4498.