Electronic Supplementary Material (ESI) for CrystEngComm.

Electronic Supplementary Information

Halogen-bonded architectures of multivalent calix[4]arenes

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Content:

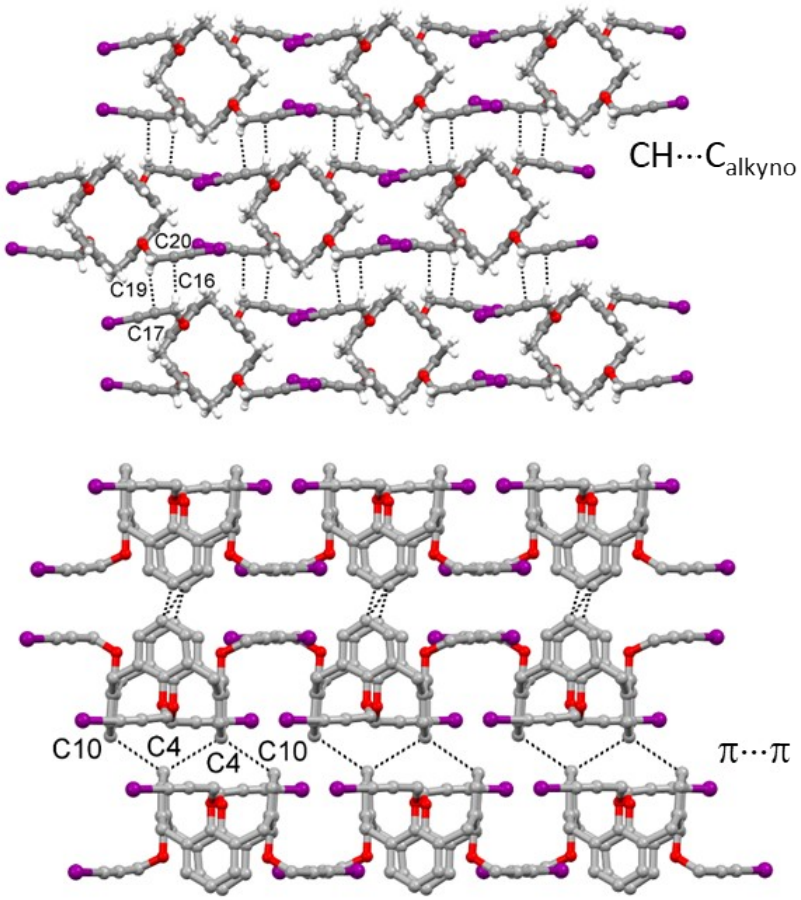

Figure S1. Portion of the crystal packing of **4** highlighting intermolecular interactions.

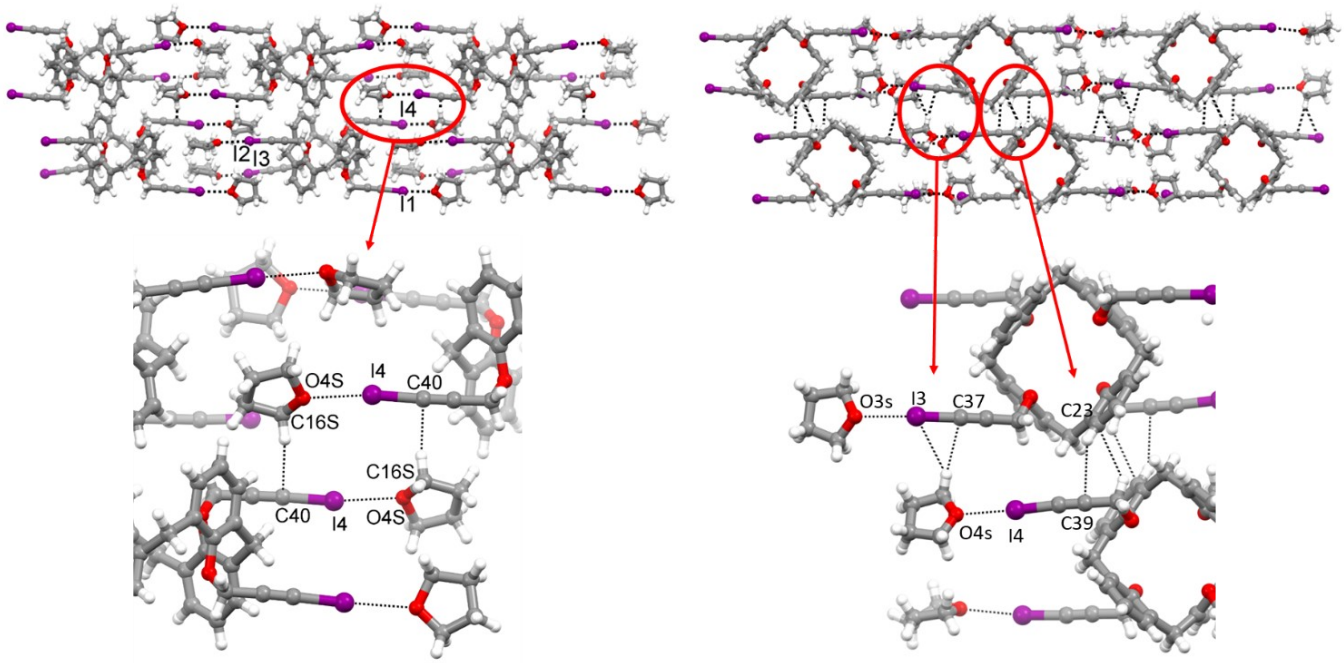

Figure S2. Portions of the crystal packing of **4** highlighting intermolecular interactions.

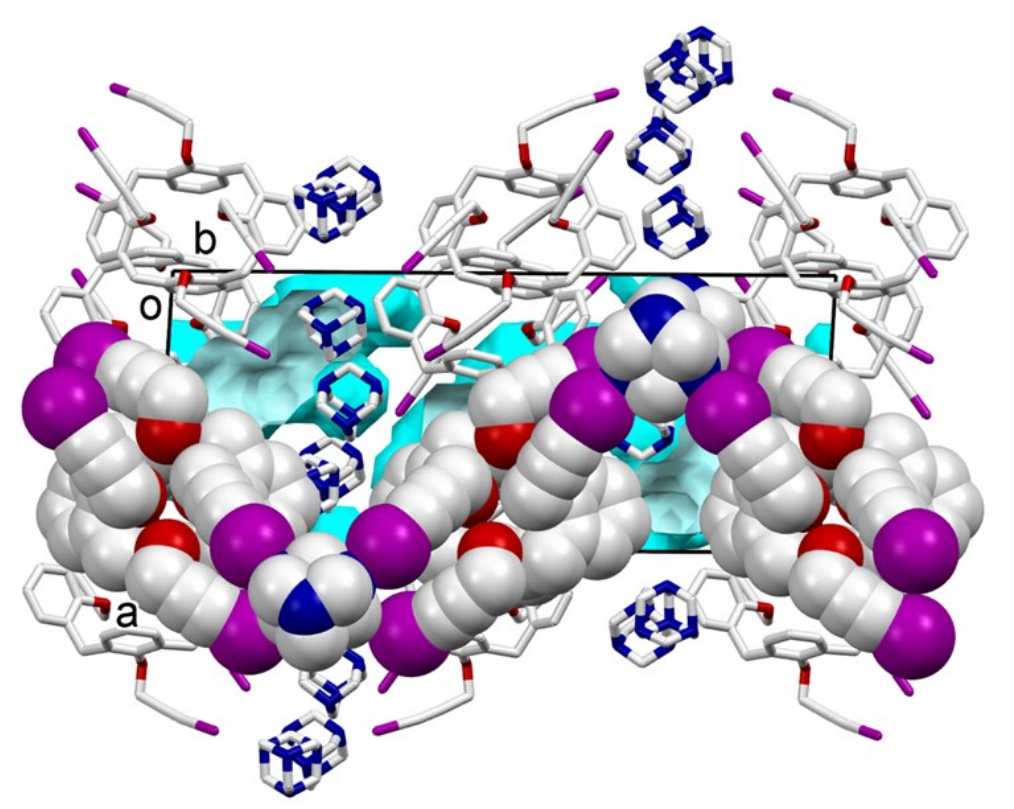

Figure S3. Portion of the crystal packing of **1**·2HMTA·3/2CH_2Cl_2 viewed along the *b* axis. A single supramolecular chain is depicted in the spacefill mode. Space occupied by dichloromethane molecules of crystallization is depicted in light blue. Probe radius 1.2 Å.

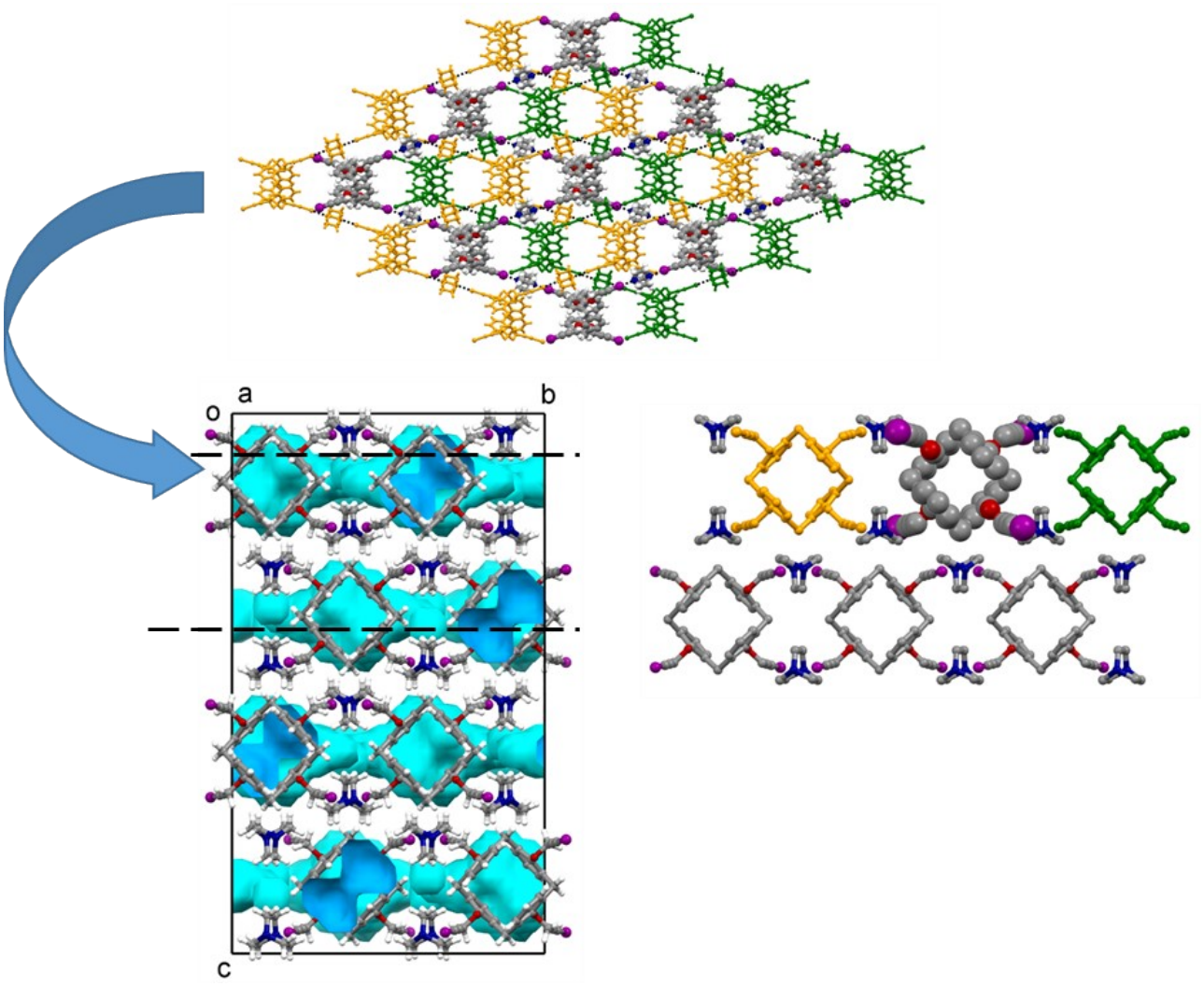

Figure S4. Crystal packing of **4**·4DABCO·THF. Layers of interpenetrated networks are stacked along the *c* axis. Space occupied by THF molecules of crystallization is depicted in light blue. Probe radius 1.2 Å.

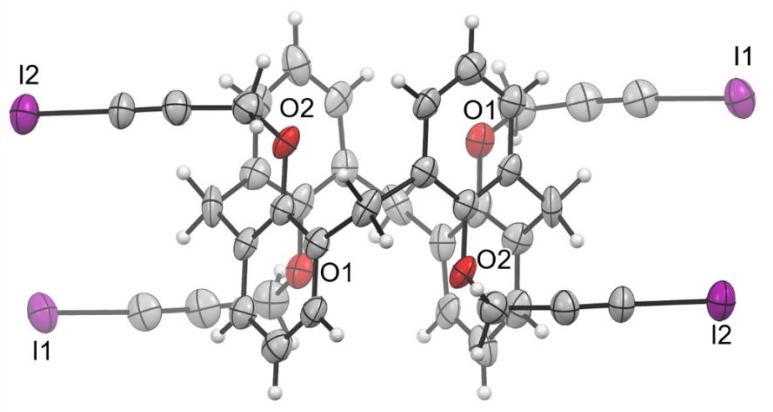

Figure S5. Ortep drawing of **4**, with thermal ellipsoids drawn at the 30% probability level.

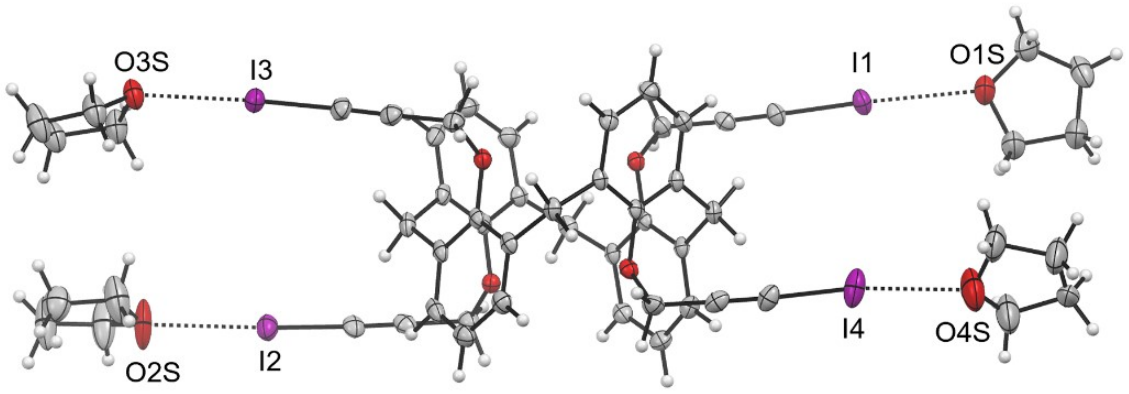

Figure S6. Ortep drawing of **4**·4THF, with thermal ellipsoids drawn at the 30% probability level.

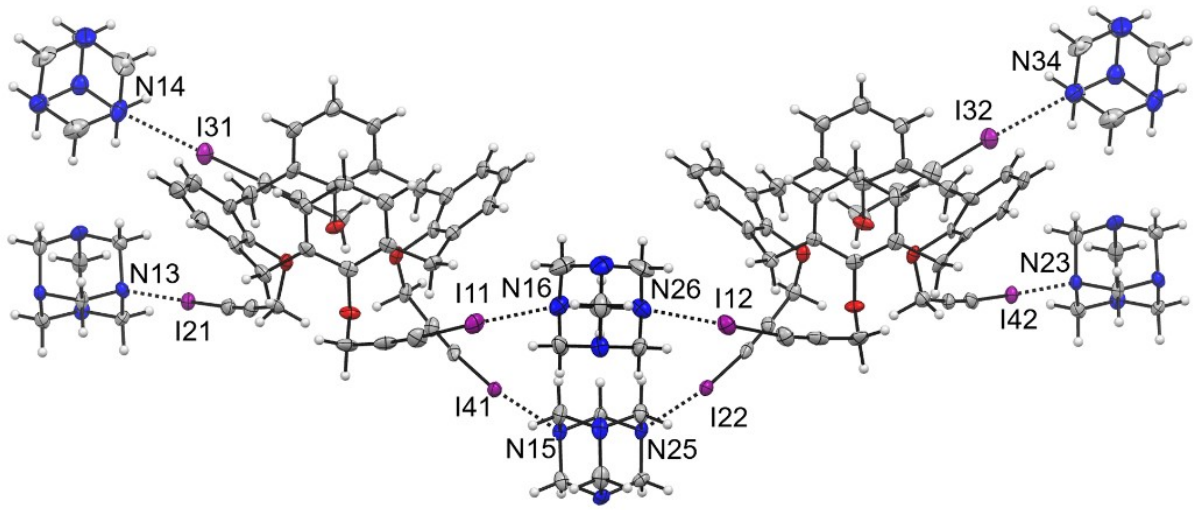

Figure S7. Ortep diagram showing the molecular structure and portion of the supramolecular interactions of **1**·2HMTA·3/2CH2Cl2, with thermal ellipsoids drawn at the 30% probability level. Solvent of crystallization is omitted for clarity.

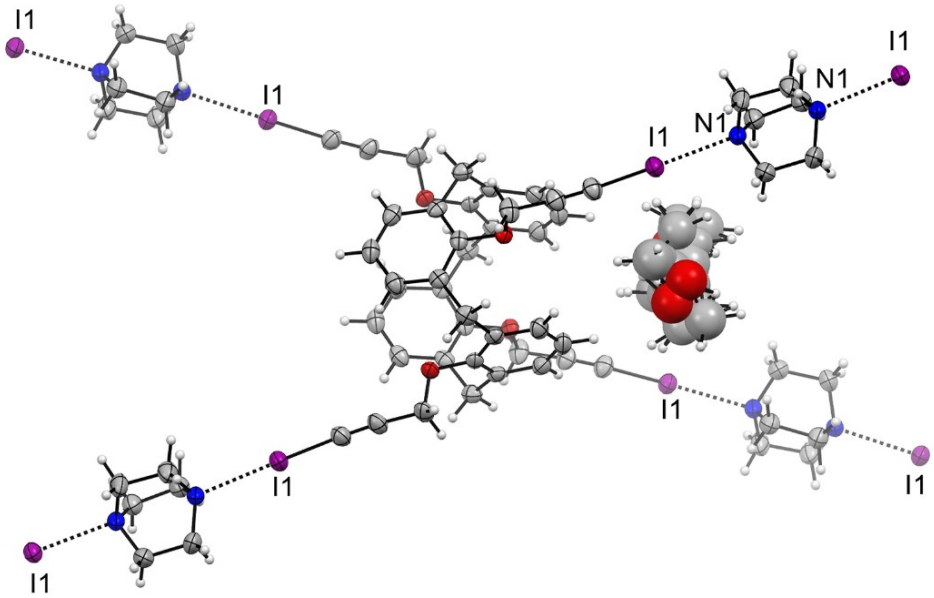

Figure S8. Ortep diagram showing the molecular structure and supramolecular interactions of **4**·4DABCO·THF, with thermal ellipsoids drawn at the 30% probability level. Disordered THF is reported with isotropic thermal parameters.