

Electronic Supplementary Information

Head-to-tail polymeric columnar structure of calix[4]arene possessing catechol arms in the solid state

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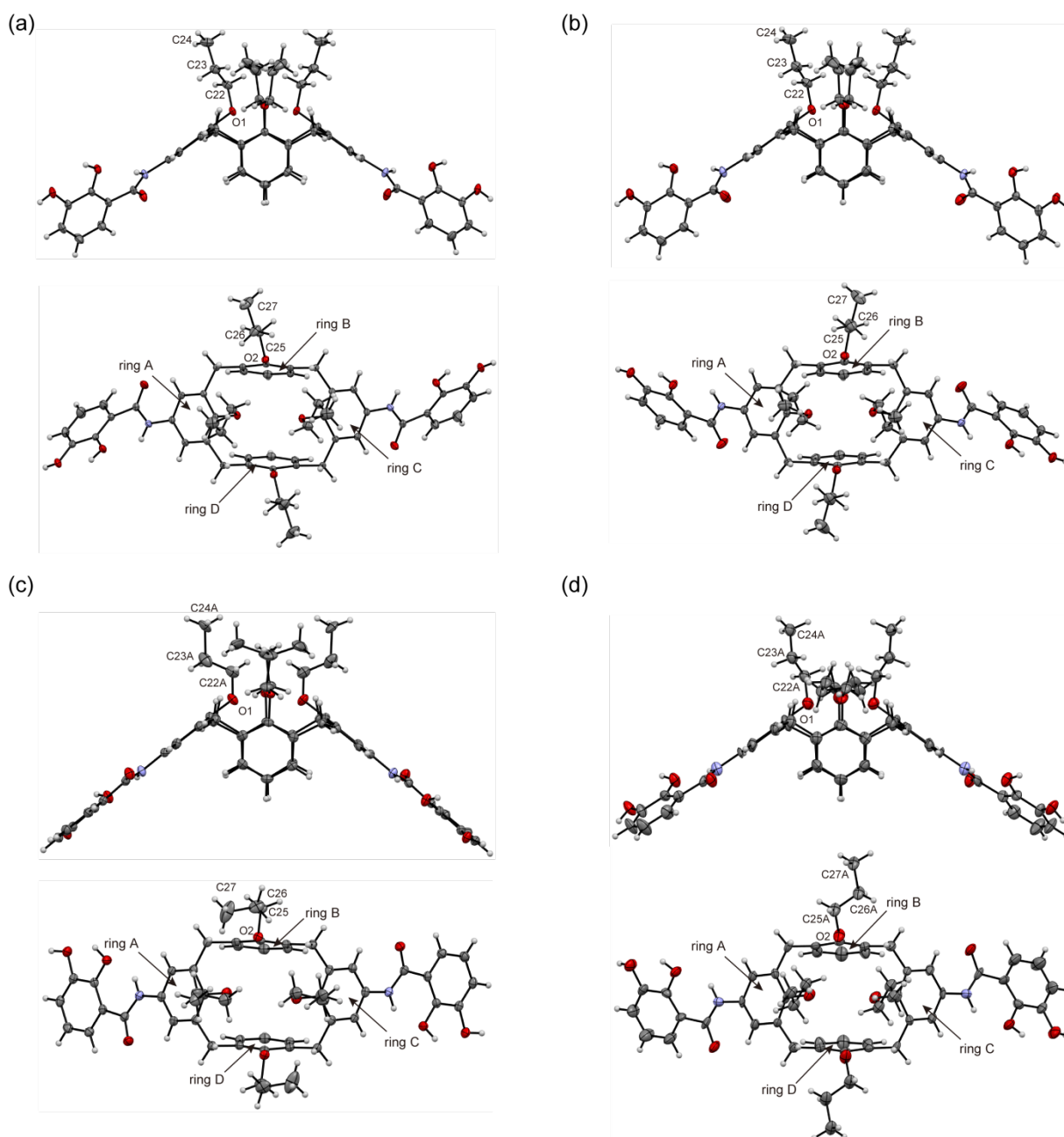


Figure S1. ORTEP drawings of the front and top views of **1** in (a) **1**•(MeOH)₄, (b) **1**•(EtOH)₄, (c) **1**•(*i*-PrOH)₄ and (d) **1**•(BDO)₂ (50% probability ellipsoids). Colour scheme: grey (carbon), white (hydrogen), light blue (nitrogen), red (oxygen). BDO = 1,4-butanediol.

Table S1. Selected structural parameters of the calix[4]arenes found in **1**•(MeOH)₄, **1**•(EtOH)₄, **1**•(*i*-PrOH)₄ and **1**•(BDO)₂.

Crystal	Inter-annular aromatic angle between rings A and C /°	Inter-annular aromatic angle between rings B and D /°	Inter-centroid distance between rings A and C /Å	Inter-centroid distance between rings B and D /Å	O1-C22(A)-C23(A)-C24(A) torsion angle /°	O2-C25(A)-C26(A)-C27(A) torsion angle /°
1 •(MeOH) ₄	72.90	23.14	7.716	4.750	173.47	175.52
1 •(EtOH) ₄	73.63	23.95	7.710	4.712	175.04	175.54
1 •(<i>i</i> -PrOH) ₄	77.53	19.51	7.683	4.778	176.21	69.63
1 •(BDO) ₂	72.46	21.36	7.685	4.843	178.84	175.16

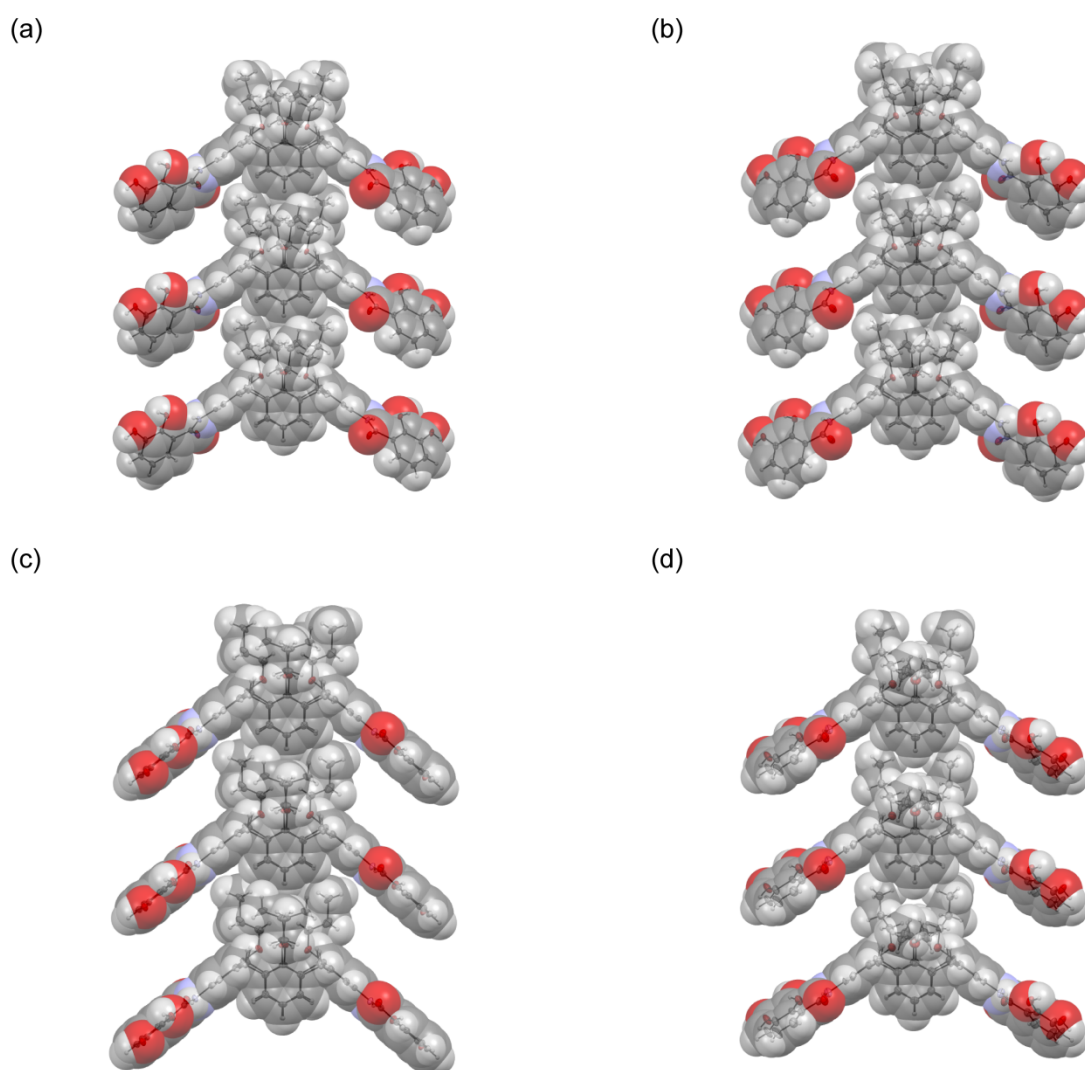


Figure S2. Space-filling illustrations of the head-to-tail polymeric columnar structures of **1** found in (a) **1**•(MeOH)₄, (b) **1**•(EtOH)₄, (c) **1**•(*i*-PrOH)₄ and (d) **1**•(BDO)₂. Colour scheme: grey (carbon), white (hydrogen), light blue (nitrogen), red (oxygen).