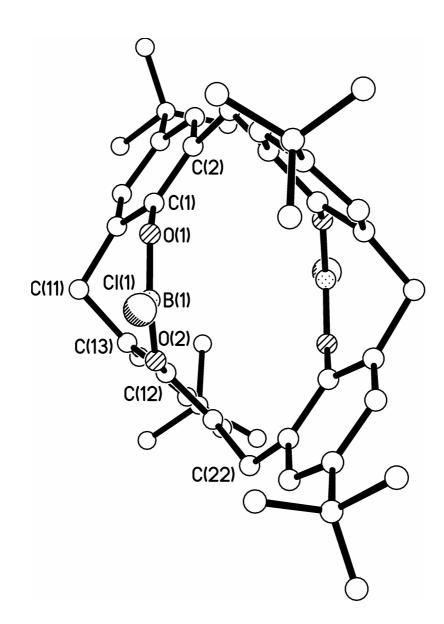
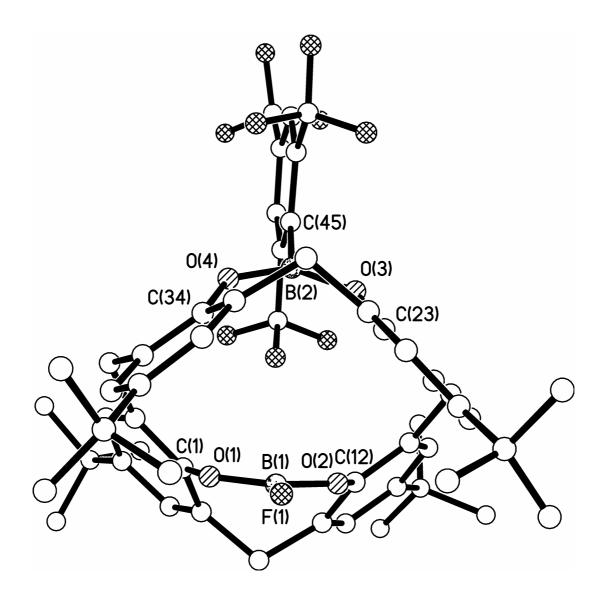
> F(3) §F(8) F(9) C(54) F(2) C(48) §F(7) C(55) §F(4) <sup>)</sup>C(53) C(47) ′C(49) C(56) C(52) C(46) F(10) C(50) F(5) C(51) F(1) F(6) C(45) B(2) B(1) BO(3) Ø0(2) <sub>0(4)</sub>@ 0(1) 🧭 C(23) C(12) C(1) C(34

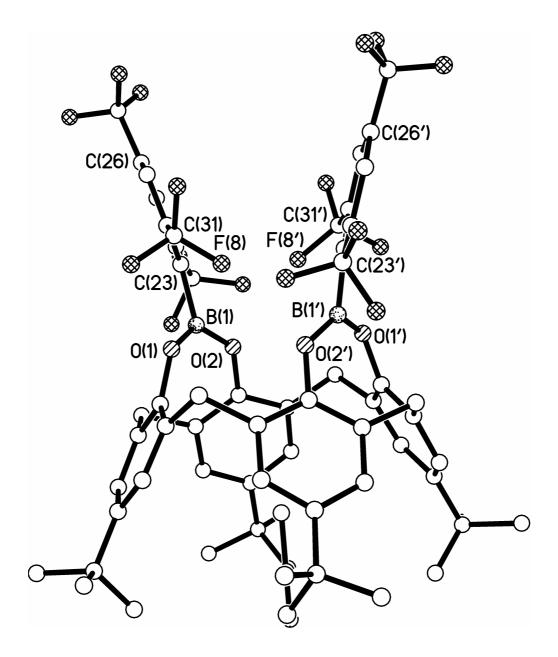
**ESI Fig 1** Alternative view of 1 showing  $Ar^{f}$  rings  $\pi$ -stacked and the twist of the  $Ar^{f}$  rings relative to the BO<sub>2</sub> fragments.



**ESI Fig 2** Alternative view of **2** along the B–Cl bond direction highlighting the Cl in the cleft between 2 calixarene rings.



**ESI Fig 3** Alternative view of **3** along the B–F bond direction showing F and  $CF_3$  groups in calixarene clefts.



**ESI Fig 4** Alternative view of **4** showing the  $Ar^{f}$  groups distorted to avoid unfavourable  $CF_3 \cdots CF_3$  steric interactions and the twist of the  $Ar^{f}$  rings relative to the BO<sub>2</sub> fragments.