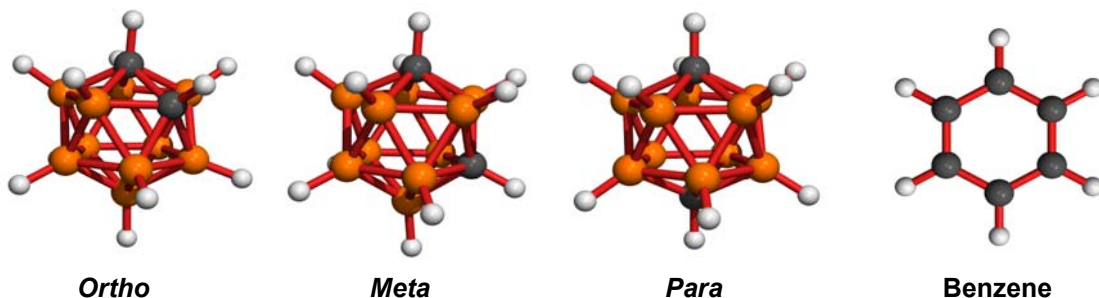


A Benzene Scavenger

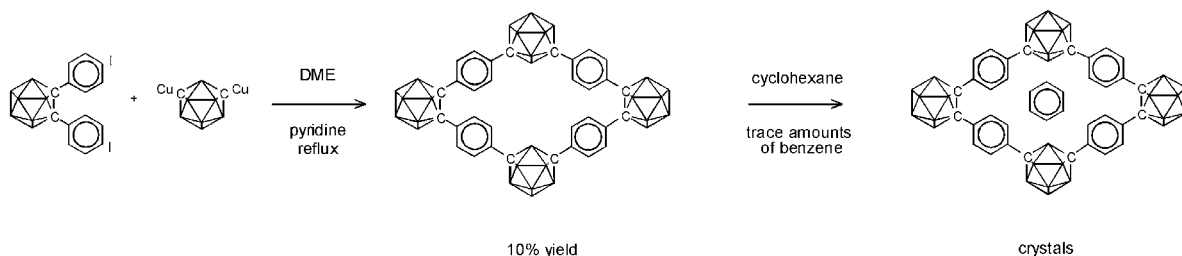
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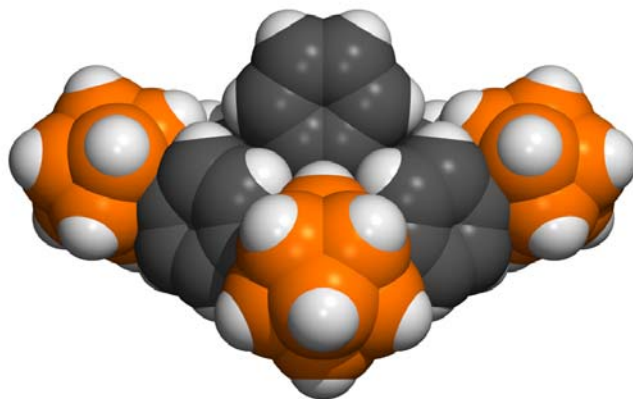
- Icosahedral carboranes ($C_2B_{10}H_{12}$) are regarded as 3D analogues of benzene (C_6H_6)



- A macrocyclic compound was prepared by condensation of the C,C-dicopper(I) derivative of *meta*-carborane with 1,2-bis(4-iodophenyl)-*ortho*-carborane.



- The X-ray crystal structure of this novel cyclooctaphane reveals a benzene ring wedged in the centre.
- The macrocycle may prove to be an useful scavenger for benzene - a known carcinogen.



Molecular structures (van der Waals radii) of macrocycle and benzene
in crystals of macrocycle· C_6H_6 · $6C_6H_{12}$