

THE SIMPLE AND EFFICIENT SYNTHESIS OF TETRA BORON-IMIDAZOLE MACROCYCLES AND THEIR CRYSTALLOGRAPHIC STRUCTURES

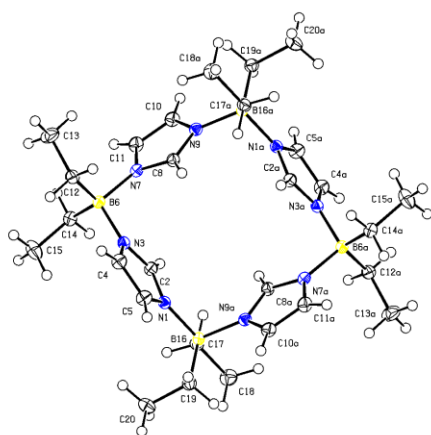
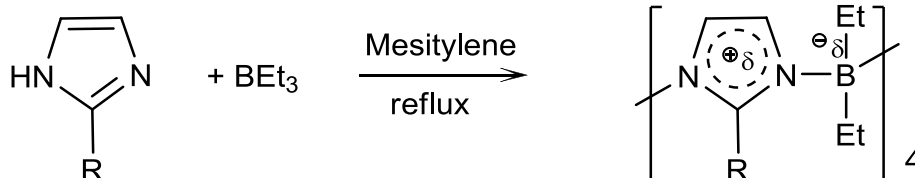
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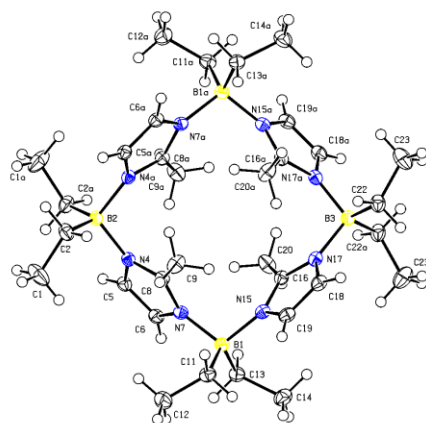
Imidazole, in view of the catalytic properties, is often used for functionalization of the macrocyclic molecules and for the synthesis of macrocycles. [1,2,3]

Here, we present simple and efficient synthesis of tetra boron-imidazole macrocycles for which we obtained spectroscopic and crystallographic data.[4]



R = H

1,2-alternate conformation



R = Me

1,3-alternate conformation

References:

1. Weiss A., Pritzkow H., Siebert W., *Angew.Chem., Int. Ed.*, **39**, 547 (2000).
2. Weiss A., Barba V., Pritzkow H., Siebert W., *J. Organometal. Chem.*, **680**, 294 (2003).
3. Hu D., Shen G., Shen H., Huang We., Gou S., *Inorg. Chem. Acta*, **360**, 2447 (2007).
4. Iwanek W., Iwanek A., Siwek M., Wozniak K., Malinska M., *Chem.Commun.*, in prep. (2011).