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Suprachem 2013

XI Congresso Nazionale di Chimica Supramolecolare



Padova, 24-27 settembre 2013

Molecular Basket, Capsule, Cage and Clam from Enantiomerically Pure Benzocyclotrimers

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Enantiopure functionalized *syn*-benzocyclotrimers have been used for the preparation of different molecular-containers, which are capable of hosting various guests via different mechanisms of inclusion. Indeed, *syn*-benzocyclotrimers derivatives provided nanobasket,¹ nanocapsule,² nanocages,³ and finally nanoclam able to include small guests (Figure 1).

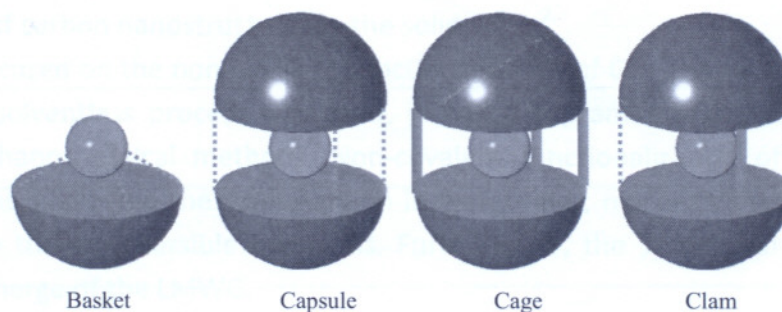


Figure 1

References:

- 1) Fabris, F.; Bellotto, L.; De Lucchi, O. *Tetrahedron Lett.* **2003**, *44*, 1211. Longhi, G.; Fabris, F.; Zonta, C.; Fornili, S. L. *Chem. Phys. Lett.* **2006**, *423*, 314. Fabris, F.; Pellizzaro, L.; Zonta, C.; De Lucchi, O. *Eur. J. Org. Chem.* **2007**, 283. Fabris, F.; De Lucchi, O.; Nardini, I.; Crisma, M.; Mazzanti, A.; Mason, S.; Lemee-Cailleau, M.-H.; Zonta C. *Org. Biomol. Chem.* **2012**, *10*, 2464.
- 2) Scarso, A. Pellizzaro, L. De Lucchi, O. Linden, A. Fabris, F. *Angew. Chem. Int. Ed.* **2007**, *46*, 4972.