



Tetrahedron Vol. 69, Issue 23, 2013

Contents

PERSPECTIVES

Ten years of research in Chicago
Hisashi Yamamoto

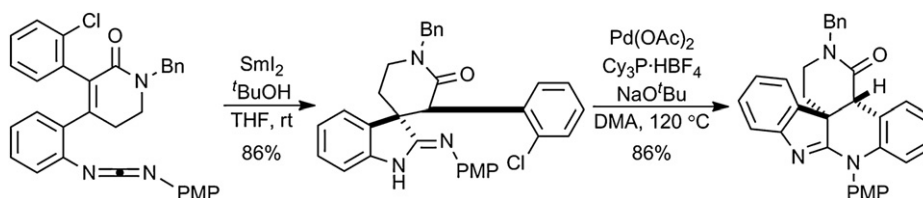
pp 4503–4515



ARTICLES

Synthetic study of perphoramidine: construction of pentacyclic core structure via SmI_2 -mediated reductive cyclization
Takayuki Ishida, Yoshiji Takemoto*

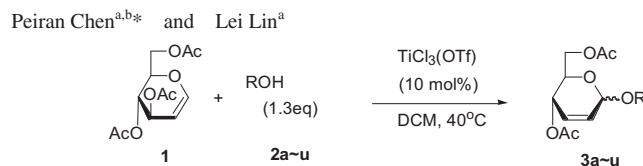
pp 4517–4523



An efficient procedure for the synthesis of 2,3-unsaturated-O-glycosides: $\text{TiCl}_3(\text{OTf})$ as the catalyst for type I Ferrier rearrangement

pp 4524–4531

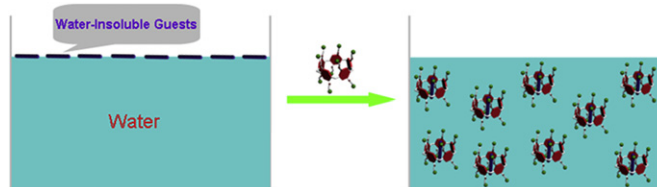
Peiran Chen*, Lei Lin

Twenty-one examples. Yield upto 90%. Anomeric selectivity: $\alpha:\beta$ 2/1–100/0.

Neutral guest capture by a cationic water-soluble pillar[5]arene in water

pp 4532–4535

Yingjie Ma, Min Xue, Zibin Zhang, Xiaodong Chi, Feihe Huang*



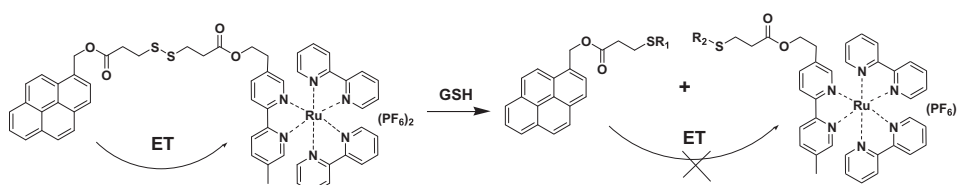
A cationic water-soluble pillar[5]arene offering a well-defined cavity with hydrophobic inner surface can capture neutral guests, even water-insoluble guests, into its cavity via hydrophobic forces. The binding ability depends upon guest hydrophobicity. The higher guest hydrophobicity contributes to the higher host affinity. Methanol and ethanol do not show any affinity for the host at all, because they are too hydrophilic for the host to compete with water.



Thiol-selective sensor based on intramolecular energy transfer between a bichromophoric system

pp 4536–4540

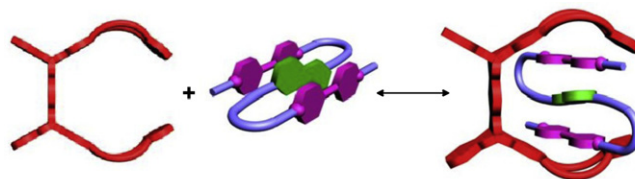
Zhiyuan Fan, Jiasheng Wu*, Weimin Liu, Jingjin Ma, Jiayu Sun, Pengfei Wang



Ion-controlled switchable complexation between pentiptycene-based tweezer-like hosts and self-folding guests

pp 4541–4545

Ying Han, Jia-Bin Guo, Jing Cao, Chuan-Feng Chen*



Download English Version:

<https://daneshyari.com/en/article/5217640>

Download Persian Version:

<https://daneshyari.com/article/5217640>

[Daneshyari.com](https://daneshyari.com)