



## Tetrahedron Vol. 69, Issue 30, 2013

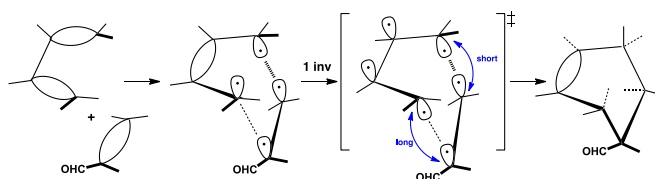
## Contents

## PERSPECTIVES

**Bent bonds and the antiperiplanar hypothesis as a simple model to predict Diels–Alder reactivity: retrospective or perspective?**

pp 6022–6033

Ghislain Deslongchamps, Pierre Deslongchamps\*

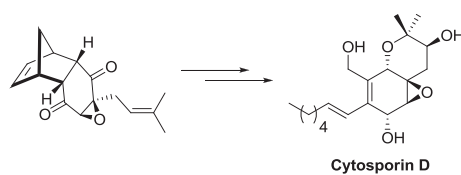


## ARTICLES

**A total synthesis of the epoxyquinone natural product cytosporin D**

pp 6034–6040

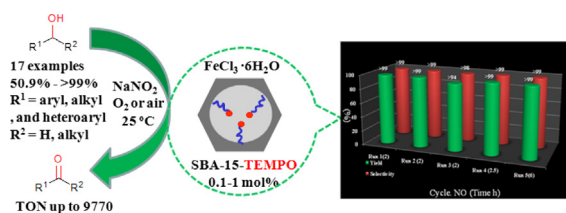
Jagadeshwar Vannada, Lennart Niehues, Burkhard König, Goverdhan Mehta\*



### An efficient and scalable room temperature aerobic alcohol oxidation catalyzed by iron chloride hexahydrate/mesoporous silica supported TEMPO

pp 6041–6045

Lianyue Wang, Jun Li, Xiaoping Zhao, Ying Lv, Hengyun Zhang, Shuang Gao\*

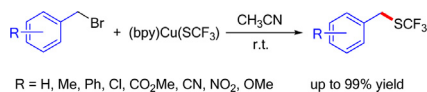


An efficient and practical room temperature oxidation of alcohols catalytic system by using FeCl<sub>3</sub>·6H<sub>2</sub>O in conjugation with NaNO<sub>2</sub> and a low catalytic amount of SBA-15-supported TEMPO (0.1–1 mol %) with dioxygen or air as terminal oxidant was developed. Various alcohols were smoothly oxidized to their corresponding carbonyl compounds with good to excellent yields, even in large-scale operations. The catalysts could be reused for at least four runs without significant loss of catalytic activity.

### Room temperature nucleophilic trifluoromethylthiolation of benzyl bromides with (bpy)Cu(SCF<sub>3</sub>)

pp 6046–6050

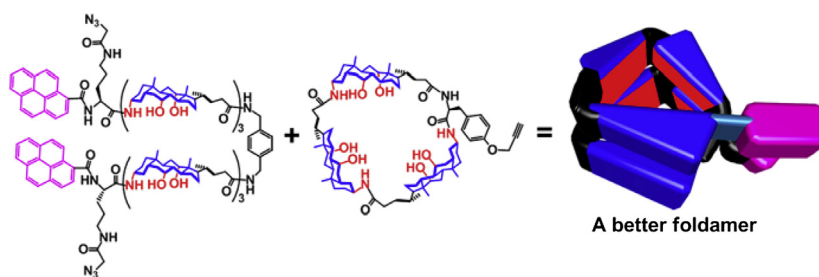
Dedao Kong, Zhou Jiang\*, Shaogang Xin, Zhengshuai Bai, Yaofeng Yuan, Zhiqiang Weng\*



### Oligocholate foldamer with 'prefolded' macrocycles for enhanced folding in solution and surfactant micelles

pp 6051–6059

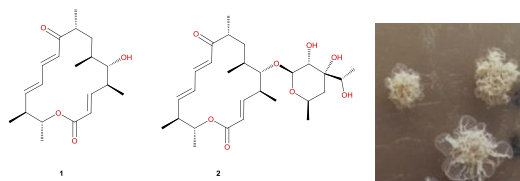
Xueshu Li, Yan Zhao\*



### Tianchimyins A–B, 16-membered macrolides from the rare actinomycete *Saccharothrix xinjiangensis*

pp 6060–6064

Xiaoling Wang, Jioji Tabudravu, Marcel Jaspars, Hai Deng\*



Download English Version:

<https://daneshyari.com/en/article/5218019>

Download Persian Version:

<https://daneshyari.com/article/5218019>

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