



Contents lists available at ScienceDirect

Tetrahedron

journal homepage: www.elsevier.com/locate/tet

Tetrahedron Vol. 69, Issue 44, 2013

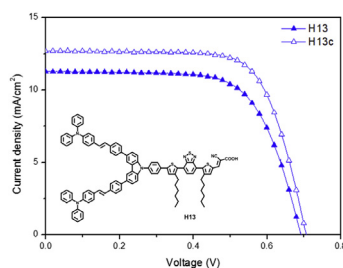
Contents

ARTICLES

Metal-free organic dyes with benzothiadiazole as an internal acceptor for dye-sensitized solar cells

pp 9175–9182

Woochul Lee, Ji yeon Seng, Jong-In Hong*

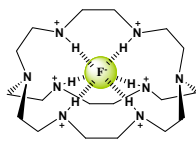


A theoretical study on the importance of steric effects, electronic properties, interaction and solvation energies in the 'host–guest' chemistry of protonated azacryptands and halide anions

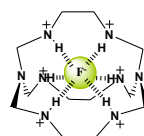
pp 9183–9191

Sadegh Salehzadeh*, Mehdi Bayat*, Yasin Gholiee

*Which one
is a better
receptor for
fluoride?!*



Longer NH...F distance,
smaller interaction and
formation energies



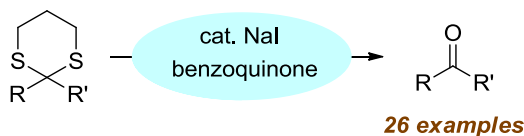
Ideal match between
the sizes of the anion
and the cavity of cation



Facile deprotection of dithioacetals by using a novel 1,4-benzoquinone/cat. NaI system

pp 9192–9199

Kiyofumi Inamoto*, Tetsuya Yamada, Sei-ichi Kato, Shoko Kikkawa, Yoshinori Kondo*

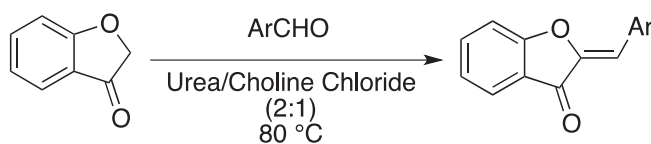


- ✓ mild, near-neutral conditions
- ✓ high yielding
- ✓ wide substrate scope
w/ good functional group tolerance

**Synthesis of aurones under neutral conditions using a deep eutectic solvent**

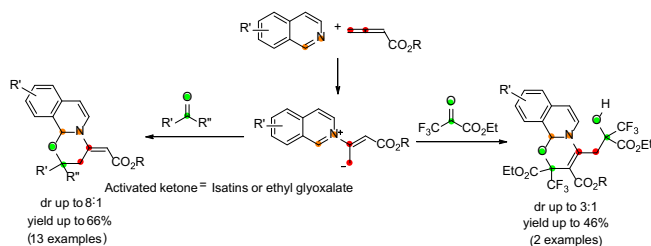
pp 9200–9204

Ian Hawkins, Scott T. Handy*

**A novel multicomponent reaction involving isoquinoline, allenolate and activated ketone**

pp 9205–9211

Hai-Bin Yang, Yun-Zhou Zhao, Rui Sang, Xiang-Yin Tang, Min Shi*

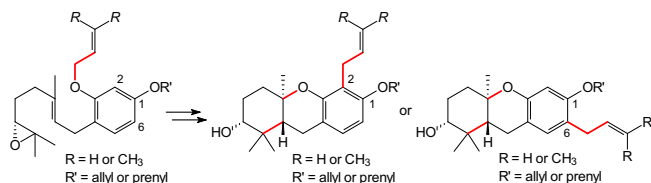


1,4-Dipole, generated in situ from isoquinoline with allenolate, reacts with activated ketone to afford [1,3]oxazino[2,3-a]isoquinoline derivatives in moderate yields along with moderate diastereoselectivities. This reaction enriches the chemistry of zwitterion formed from nitrogen nucleophile and electron-deficient alkyne.

**Electrophilic aromatic prenylation via cascade cyclization**

pp 9212–9218

John G. Kodet, Joseph J. Topczewski, Kevyn D. Gardner, David F. Wiemer*



Download English Version:

<https://daneshyari.com/en/article/5218126>

Download Persian Version:

<https://daneshyari.com/article/5218126>

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