



## Tetrahedron Vol. 66, Issue 35, 2010

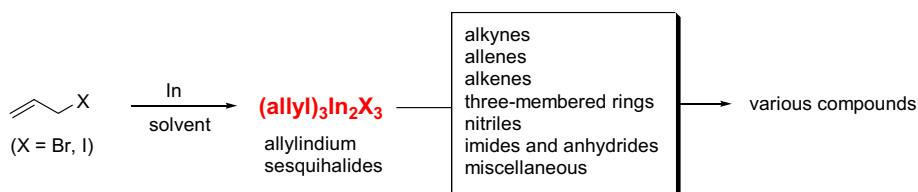
## Contents

## REPORT

## Recent advances in allylindium reagents in organic synthesis

pp 7065–7076

Sung Hwan Kim, Hyun Seung Lee, Ko Hoon Kim, Se Hee Kim, Jae Nyoung Kim\*

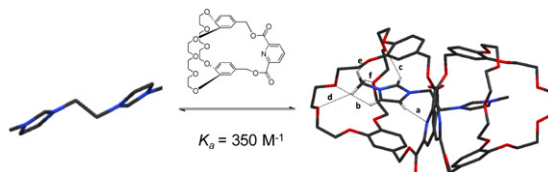


## ARTICLES

1,2-Bis[*N*-(*N*-alkylimidazolium)]ethane salts as new guests for crown ethers and cryptands

pp 7077–7082

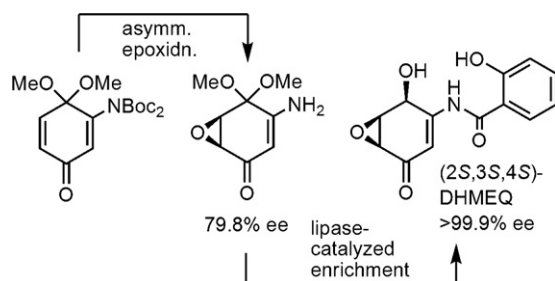
Minjae Lee, Zhenbin Niu, Daniel V. Schoonover, Carla Slebodnick, Harry W. Gibson\*



**Chemoenzymatic synthesis of (2S,3S,4S)-form, the physiologically active stereoisomer of dehydroxymethylepoxyquinomicin (DHMEQ), a potent inhibitor on NF- $\kappa$ B**

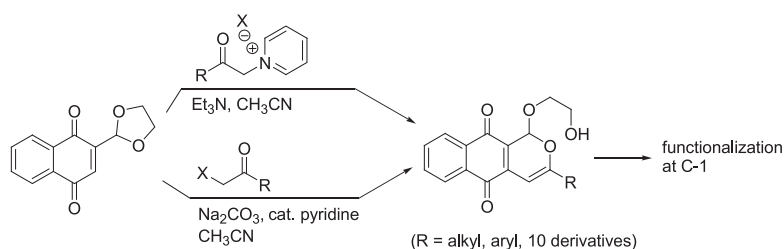
pp 7083–7087

Manabu Hamada, Yukihiko Niitsu, Chihiro Hiraoka, Ikuko Kozawa, Toshinori Higashi, Mitsuru Shoji, Kazuo Umezawa\*, Takeshi Sugai\*


**Short synthesis of functionalized pentalongin derivatives using pyridinium ylid chemistry**

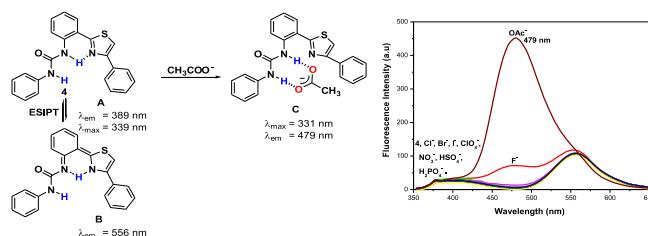
pp 7088–7096

Pieter Claes, Jan Jacobs, Sven Claessens, Norbert De Kimpe\*


**Thiazole-based chemosensor III: synthesis and fluorescence sensing of  $\text{CH}_3\text{CO}_2^-$  based on inhibition of ESIPT**

pp 7097–7103

Aasif Helal, Hong-Seok Kim\*

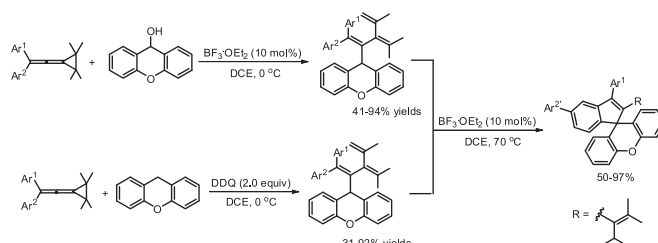


Novel fluorogenic sensors based on urea derivative of 2-(2'-aminophenyl)-4-phenylthiazole were prepared and used for recognition of anions with similar basicity and surface charge density. Chemosensor **4** was found to be highly selective to acetate ion over other anions. The mechanism of fluorescence was based on the anion-induced inhibition of excited-state intramolecular proton transfer (ESIPT).


**Reactions of vinylidenecyclopropanes with xanthydrol and xanthene**

pp 7104–7111

Wei Yuan, Min Shi\*



Vinylidenecyclopropanes undergo ring-opening reactions with xanthydrol in the presence of  $\text{BF}_3 \cdot \text{OEt}_2$  or with xanthene in the presence of DDQ at 0 °C in 1,2-dichloroethane to give the corresponding conjugate triene derivatives in moderate to good yields and the further transformation of these trienes have been disclosed at the same time.



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