

ПН  
ТЗГ



ELSEVIER

Vol. 70 • Issue 1 • 7 January 2014 • ISSN 0040-4020

# Tetrahedron

THE INTERNATIONAL JOURNAL FOR THE RAPID PUBLICATION OF FULL  
ORIGINAL RESEARCH PAPERS AND CRITICAL REVIEWS IN ORGANIC CHEMISTRY

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

**ScienceDirect**





## Tetrahedron Vol. 70, Issue 1, 2014

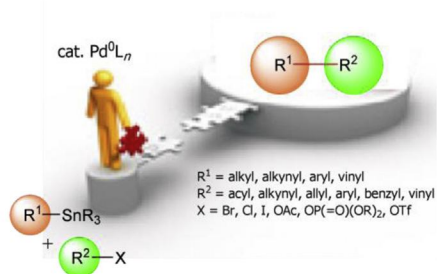
## Contents

## REPORT

## Recent developments of the Stille reaction as a revolutionized method in total synthesis

pp 7–21

Majid M. Heravi\*, Elaheh Hashemi, Fereshteh Azimian



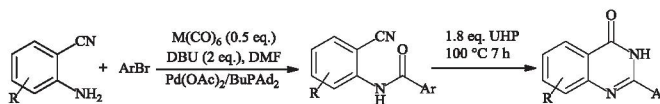
In this review, a number of recent and selected applications of the Stille reaction in the total synthesis of natural products is discussed.

## ARTICLES

Palladium-catalyzed carbonylative synthesis of *N*-(2-cyanoaryl)benzamides and sequential synthesis of quinazolinones

pp 23–29

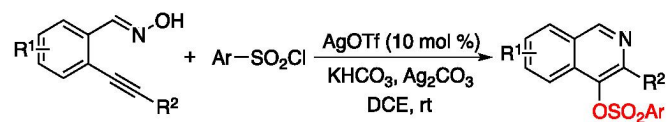
Xiao-Feng Wu\*, Stefan Oschatz, Muhammad Sharif, Matthias Beller, Peter Langer\*



**A silver(I)-catalyzed reaction of 2-alkynylbenzaldoxime with arylsulfonyl chloride**

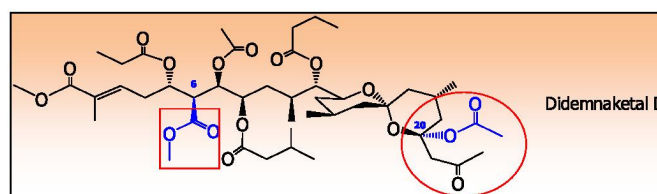
pp 30–34

Jinming Yang, Qing Xiao, Jie Sheng, Jie Wu\*

**Didemnaketals D and E, bioactive terpenoids from a Red Sea ascidian *Didemnum* species**

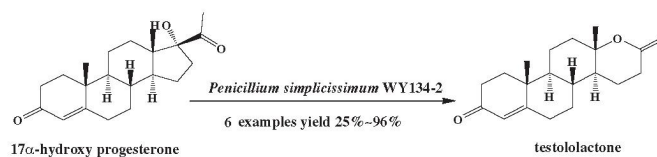
pp 35–40

Gamal A. Mohamed, Sabrin R.M. Ibrahim, Jihan M. Badr, Daa T.A. Youssef\*

**Biotransformations of steroids to testolactone by a multifunctional strain *Penicillium simplicissimum* WY134-2**

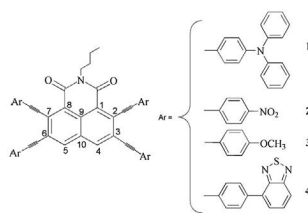
pp 41–46

Beibei Yang, Yu Wang, Xi Chen, Jinhui Feng, Qiaqing Wu\*, Dunming Zhu\*, Yanhe Ma

**Rational design of donor– $\pi$ –acceptor *n*-butyl-1,8-naphthalimide-cored branched molecules as charge transport and luminescent materials for organic light-emitting diodes**

pp 47–53

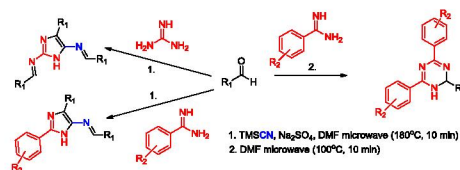
Rui-fa Jin\*, Shan-shan Tang, Wei-dong Sun



**MCRs reshaped into a switchable microwave-assisted protocol toward 5-aminoimidazoles and dihydrotriazines**

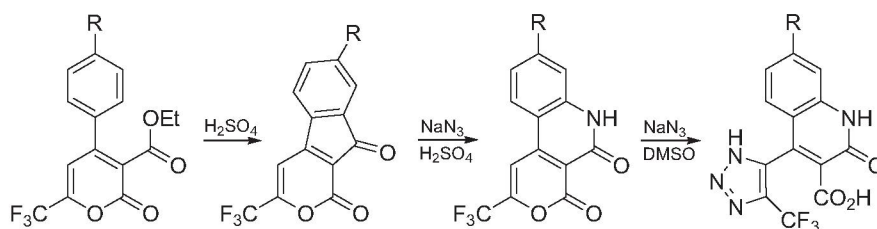
pp 54–59

Christan E. Bell, Arthur Y. Shaw, Fabio De Moliner, Christopher Hulme\*

**Synthesis of 3-(trifluoromethyl)indeno[2,1-c]pyran-1,9-diones from 4-aryl-3-carbomethoxy-6-(trifluoromethyl)-2-pyrones and their reaction with sodium azide leading to new carbostyryl derivatives**

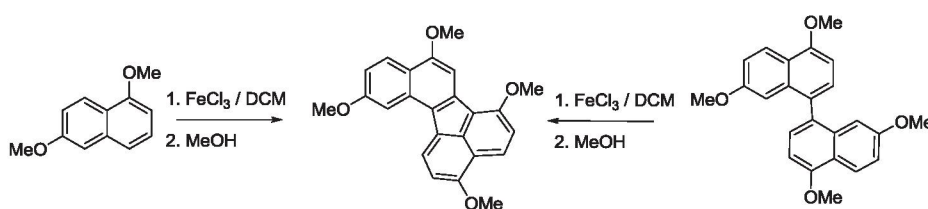
pp 60–66

Sergey A. Usachev, Boris I. Usachev, Vyacheslav Ya. Sosnovskikh\*

**A simple route to derivatives of benzo[j]fluoranthene**

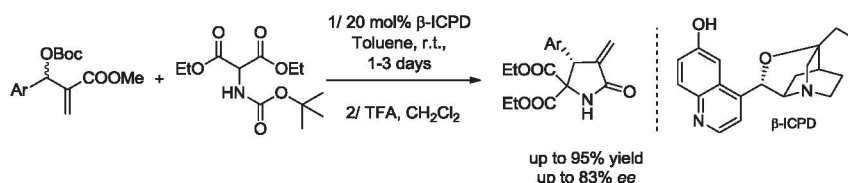
pp 67–74

Daniel J. Tate, Mohamed Abdelbasit, Colin A. Kilner, Helena J. Shepherd, Stuart L. Warriner, Richard J. Bushby\*

**Catalytic asymmetric one-pot synthesis of  $\alpha$ -methylene- $\gamma$ -lactams**

pp 75–82

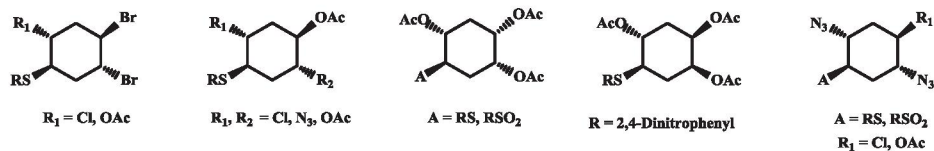
Xavier Companyó, Pierre-Yves Geant, Andrea Mazzanti, Albert Moyano, Ramon Rios\*



### Synthesis of cyclohexane derivatives including Br, Cl, N, O, and S at 1,2,4,5-positions: selectivity in addition reactions

Afşin Ahmet Kaya, Abdullah Menzek\*, Ertan Şahin

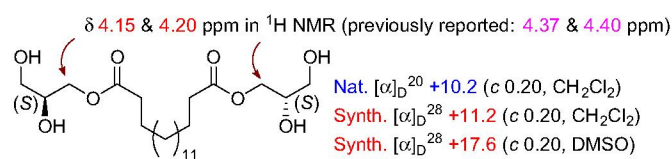
pp 83–91



### Synthesis and absolute configuration of hydloglyceride isolated from *Hylo dendron gabunensis*

Wen-Ju Wu, Hui-Jun Chen, Yikang Wu\*, Bo Liu\*

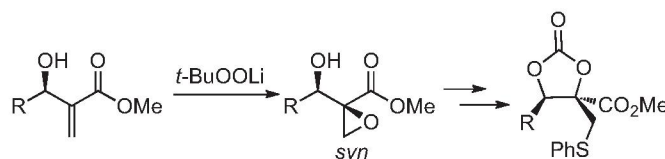
pp 92–96



### Study of the stereoselectivity of the nucleophilic epoxidation of 3-hydroxy-2-methylene esters

Antonio Latorre, José A. Sáez, Santiago Rodríguez, Florenci V. González\*

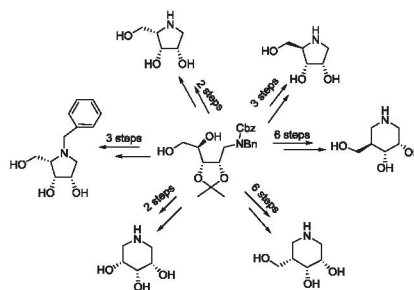
pp 97–102



### A divergent approach for the synthesis of some polyhydroxy pyrrolidines and piperidines from ribosylamine

Sahadev S. Chirke, Anugula Rajender, Batchu Venkateswara Rao\*

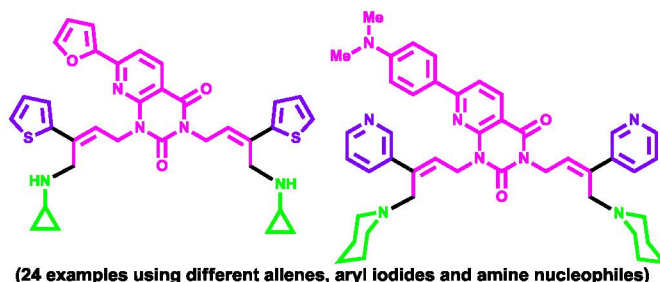
pp 103–109



**Regio and stereoselective catalytic five-component cascades of diverse heterocyclic bisallenes: tri-directional exploration of biochemical space**

pp 110–122

Elghareeb E. Elboray, Moustafa F. Aly, Hussien H. Abbas-Temirek, Gwydion H. Churchill, Ronald Grigg\*



\*Corresponding author

+ Supplementary data available via ScienceDirect

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)**ScienceDirect**Full text of this journal is available, on-line from **ScienceDirect**. Visit [www.sciencedirect.com](http://www.sciencedirect.com) for more information.

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei compendex, EMBASE/ Excerpta Medica, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®



ELSEVIER

ISSN 0040-4020