

Tetrahedron Letters Vol. 50, No. 2, 2009

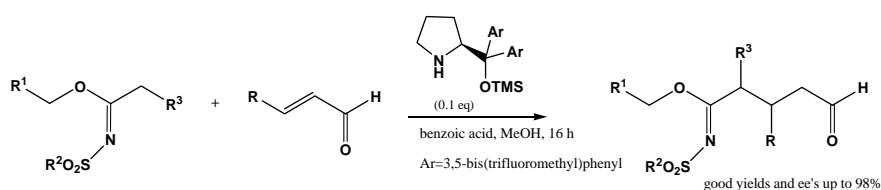
Contents

COMMUNICATIONS

N-Tosylimidates in highly enantioselective organocatalytic Michael reactions

pp 145–147

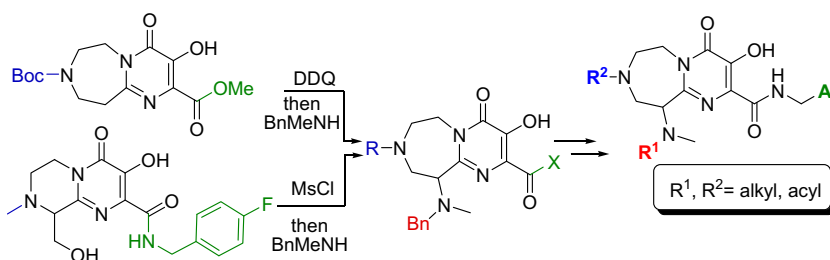
Antonio Massa, Naoto Utsumi, Carlos F. Barbas III *



Routes to HIV-integrase inhibitors: efficient synthesis of bicyclic pyrimidones by ring expansion or amination at a benzylic position

pp 148–151

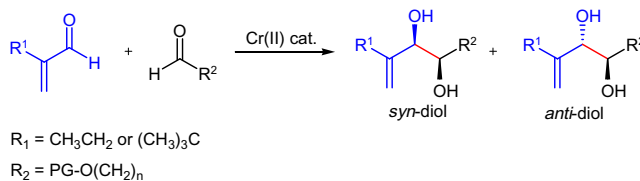
Maria del Rosario Rico Ferreira *, Giuseppe Cecere, Paola Pace, Vincenzo Summa



Chromium(II)-catalyzed diastereoselective pinacol type cross coupling: studies of substrate-controlled effects

pp 152–154

Ulrich Groth *, Marc Jung, Steffen Lang, Thilo Schuppler

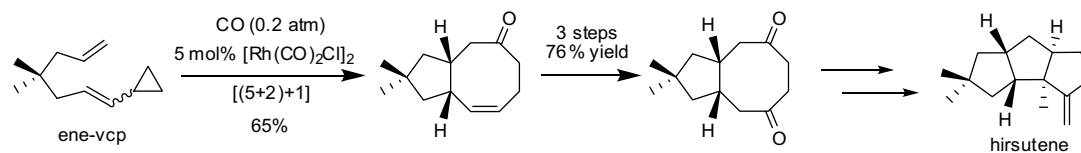


Using 20 mol % of $CrCl_2$ as catalyst, manganese powder as reducing agent, and TMS-Cl as scavenger, various acroleins and aldehydes were coupled with moderate to high yields and diastereomeric excesses.

An expeditious and high-yield formal synthesis of hirsutene using Rh(I)-catalyzed [(5+2)+1] cycloaddition

pp 155–157

Xiaohui Fan, Min-Xian Tang, Lian-Gang Zhuo, Yong Qiang Tu, Zhi-Xiang Yu *

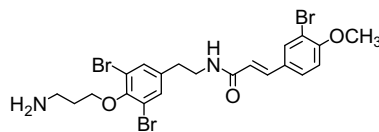


An expeditious and high-yield formal synthesis of hirsutene has been achieved. This synthesis features Rh(I)-catalyzed [(5+2)+1] cycloaddition to construct a bicyclic cyclooctenone, which can be efficiently transformed to bicyclic diketone, an advanced intermediate for racemic and asymmetric syntheses of hirsutene.

**The first total synthesis of aplysamine 6, an inhibitor of isoprenylcysteine carboxy methyltransferase**

pp 158–160

Nisar Ullah *, Khaled M. Arafah

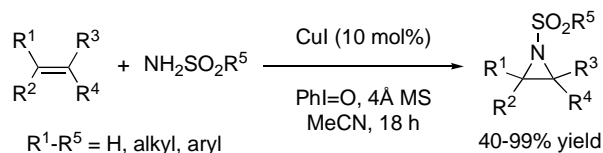


The first total synthesis of aplysamine 6 is described.

**Copper iodide-catalyzed aziridination of alkenes with sulfonamides and sulfamate esters**

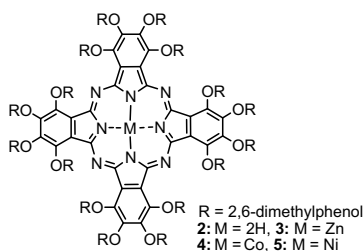
pp 161–164

Joyce Wei Wei Chang, Thi My Uyen Ton, Zhengyang Zhang, Yanjun Xu, Philip Wai Hong Chan *

**Synthesis, characterization and nonlinear optical properties of nonaggregating hexadeca-substituted phthalocyanines**

pp 165–168

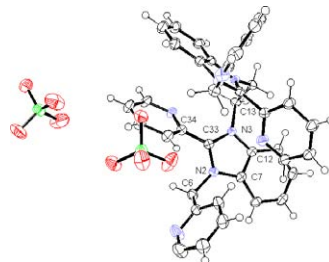
Saad Makhseed *, Moyyad Al-Sawah, Jacob Samuel, Hacene Manaa



Synthesis, characterization and X-ray structural determination of a stable dication derived from symmetrical *ortho*-aminophenyl diamine and 2-pyridinecarboxaldehyde

pp 169–171

Hassan Keypour *, Reza Azadbakht, Sadegh Salehzadeh, Hadi Amiri Rudbari, Harry Adams

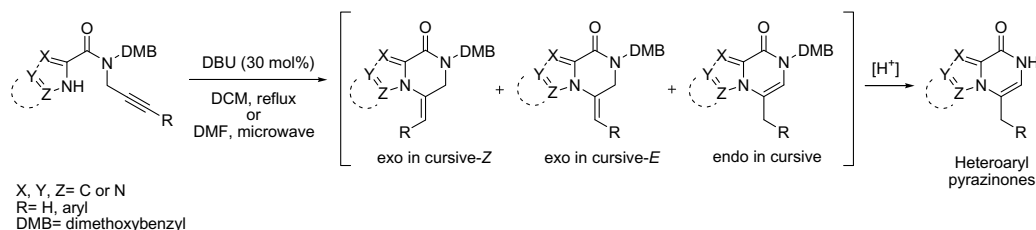


The novel stable dication, 2-(pyridin-2-yl)-1-(2-(2-(pyridin-2-yl)-3-(pyridin-2-ylmethyl)-2,3-dihydrobenzo[d]imidazol-1-yl)ethyl)-3-(pyridin-2-ylmethyl)-2,3-dihydro-1H-benzo[d]imidazole was synthesized by reaction of *N,N'*-bis(2-aminophenyl)-1,2-ethanediamine and 2-pyridinecarboxaldehyde in the presence of manganese chloride.

A novel base-mediated intramolecular hydroamination to build fused heteroaryl pyrazinones

pp 172–177

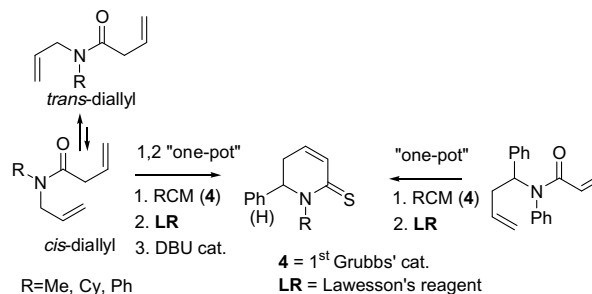
Laura Llauger *, Costanza Bergami, Olaf D. Kinzel, Samuele Lillini, Giovanna Pescatore, Caterina Torrisi, Philip Jones



An easy approach to α,β -unsaturated δ -thiolactams via a RCM and thionation one-pot procedure

pp 178–181

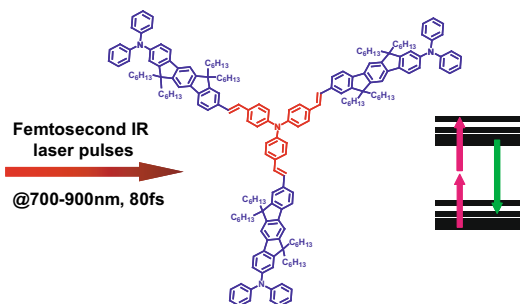
Jacek G. Sołnicki *



Synthesis and two-photon properties of a multipolar chromophore containing indenofluorenyl units

pp 182–185

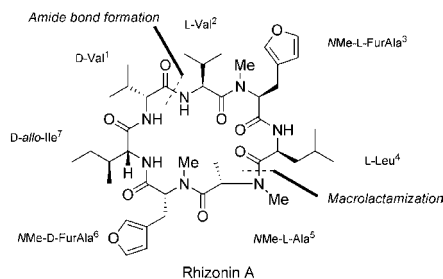
Tzu-Chau Lin *, Cheng-Sheng Hsu, Chia-Ling Hu, Yong-Fu Chen, Wei-Je Huang



First total synthesis and biological evaluation of the cyclic heptapeptide rhizonin A

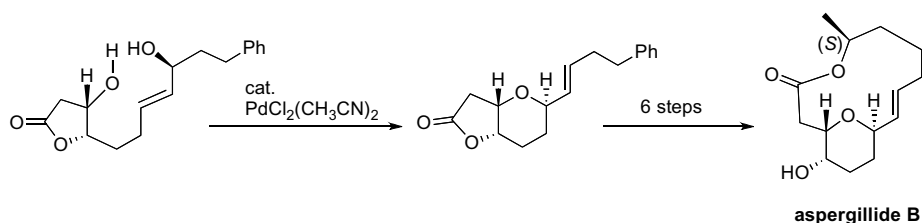
pp 186–188

Hiroshi Nakatsuka, Kenichiro Shimokawa, Ryoka Miwa, Kaoru Yamada, Daisuke Uemura *

**Total synthesis of aspergillide B and structural discrepancy of aspergillide A**

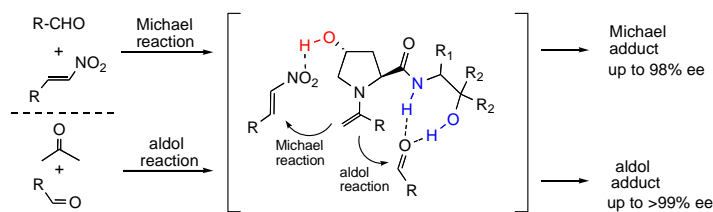
pp 189–192

Sudhir M. Hande, Jun'ichi Uenishi *

**Organocatalytic activity of 4-hydroxy-prolinamide alcohol with different noncovalent coordination sites in asymmetric Michael and direct aldol reactions**

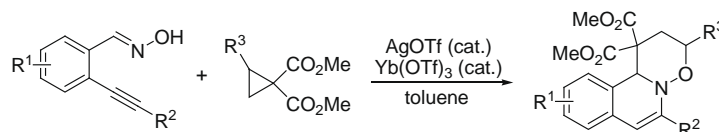
pp 193–197

Yuko Okuyama, Hiroto Nakano *, Yuki Watanabe, Mika Makabe, Mitsuhiro Takeshita *, Koji Uwai, Chizuko Kabuto *, Eunsang Kwon

**Tandem cyclization-[3+3] cycloaddition reactions of 2-alkynylbenzaldoxime: synthesis of fused 1,2-dihydroisoquinolines**

pp 198–200

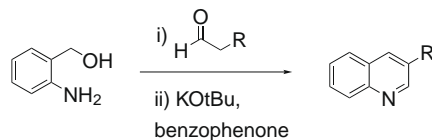
Qiuping Ding, Zhiyong Wang, Jie Wu *



Fast and convenient base-mediated synthesis of 3-substituted quinolines

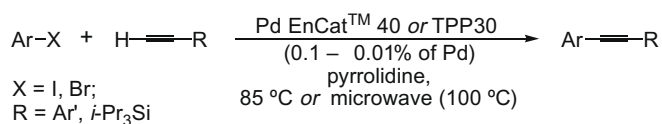
pp 201–203

Hans Vander Mierde *, Pascal Van Der Voort, Francis Verpoort *

**Convenient copper- and solvent-free Sonogashira-type alkylation of aryl iodides and bromides using Pd EnCat™**

pp 204–207

Adriano Carpita, Arianna Ribecai *

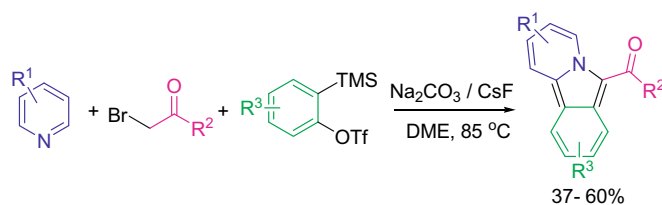


The first specific study on Pd EnCat-catalyzed Sonogashira-type alkynylations. High yielding reactions can be achieved under aerobic conditions; microwave irradiation is able to enhance yields and rates of these reactions.

**Multicomponent reactions of pyridines, α -bromo carbonyl compounds and silylaryl triflates as aryne precursors: a facile one-pot synthesis of pyrido[2,1-*a*]isoindoles**

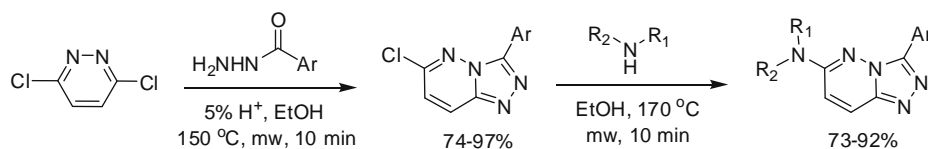
pp 208–211

Xian Huang *, Tiexin Zhang

**MAOS protocols for the general synthesis and lead optimization of 3,6-disubstituted-[1,2,4]triazolo[4,3-*b*]pyridazines**

pp 212–215

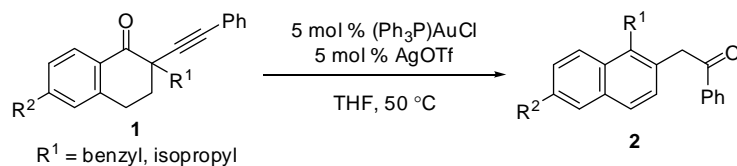
Leslie N. Aldrich, Evan P. Lebois, L. Michelle Lewis, Natalia T. Nalywajko, Colleen M. Niswender, C. David Weaver, P. Jeffrey Conn, Craig W. Lindsley *



Gold-catalyzed consecutive [1,2] alkyl migration-oxygen transfer reaction of 2-alkynyl-1-tetralones

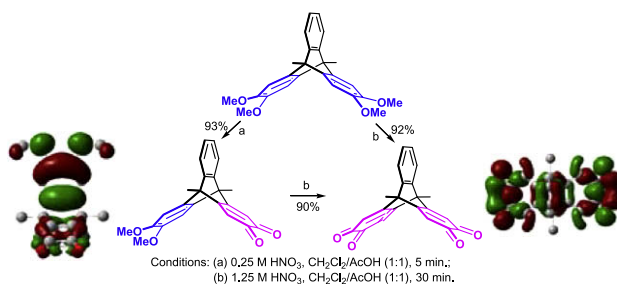
pp 216–218

Ching Siew Chan, Toshiharu Araki, Itaru Nakamura*, Masahiro Terada

**Highly selective synthesis of triptycene *o*-quinone derivatives and their optical and electrochemical properties**

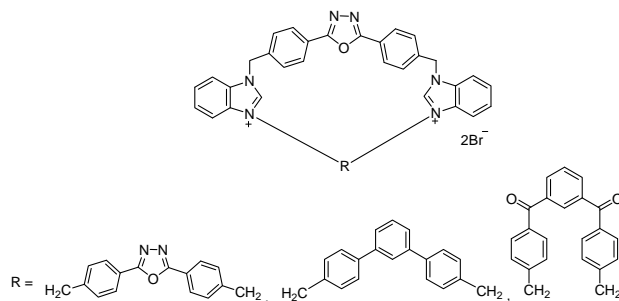
pp 219–222

Jian-Min Zhao, Hai-Yan Lu, Jing Cao, Yi Jiang, Chuan-Feng Chen*

**Investigation of the role of 1,3,4-oxadiazole on the spectroscopic, optical, and electrochemical properties of benzimidazolophanes**

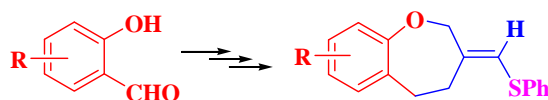
pp 223–227

Perumal Rajakumar*, Sebastian Raja

**Wittig olefination and thiol mediated 7-endo-trig radical cyclization: novel synthesis of oxepin derivatives**

pp 228–231

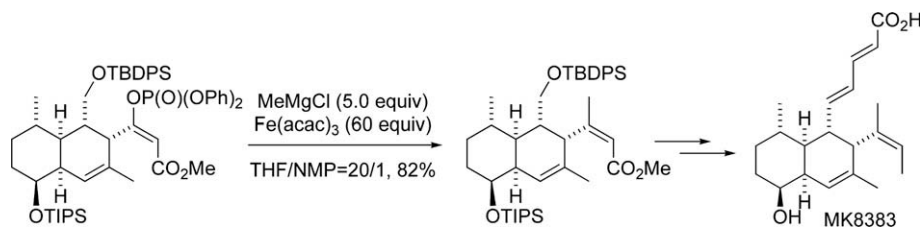
K. C. Majumdar*, Abu Taher



Asymmetric total synthesis of MK8383: the iron-mediated coupling reaction is the only effective method for the construction of the (Z)-trisubstituted side-chain alkene

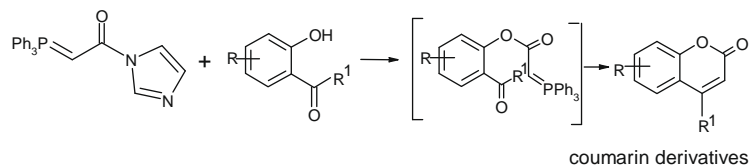
pp 232–235

Nobuyuki Hayashi, Masahisa Nakada *

**A novel synthesis of coumarins employing triphenyl(α-carboxymethylene)phosphorane imidazolide as a C-2 synthon**

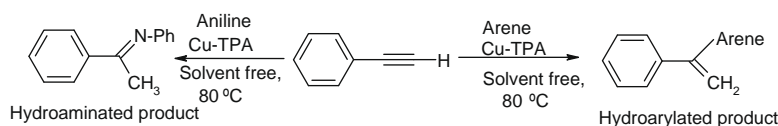
pp 236–238

Puspesh K. Upadhyay, Pradeep Kumar *

**A highly regioselective Cu-exchanged tungstophosphoric acid catalyst for hydroarylation and hydroamination of alkynes**

pp 239–242

Nayeem Pasha, N. Seshu Babu, K. T. Venkateswara Rao, P. S. Sai Prasad, N. Lingaiah *

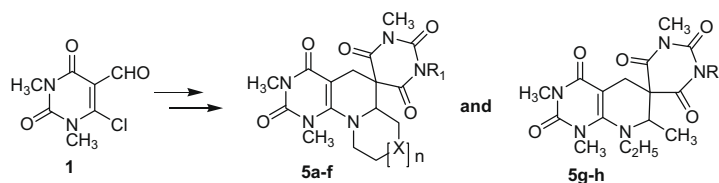


An efficient reusable Cu-exchanged tungstophosphoric acid catalyst is demonstrated for the solvent free hydroarylation and hydroamination reactions of alkynes with different arene and amine derivatives under similar reaction conditions. The catalyst exhibited exceptional activity and afforded the analogues product with high regioselectivity with good to excellent yields.


Tertiary amine effect: synthesis of some novel spirosubstituted pyrido[2,3-d]pyrimidines

pp 243–245

Biswajita Baruah, Pulak J. Bhuyan *



*Corresponding author

 Supplementary data available via ScienceDirect

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



Available online at www.sciencedirect.com



ISSN 0040-4039