

Tetrahedron Letters Vol. 49, No. 35, 2008

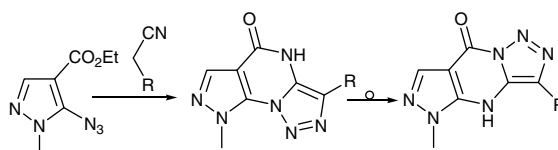
Contents

COMMUNICATIONS

**Pyrazolo[3,4-*d*][1,2,3]triazolo[1,5-*a*]pyrimidine: a new ring system through Dimroth rearrangement**

pp 5125–5128

Antonino Lauria <sup>\*</sup>, Ilenia Abbate, Chiara Patella, Noemi Gambino, Arturo Silvestri, Giampaolo Barone, Anna Maria Almerico



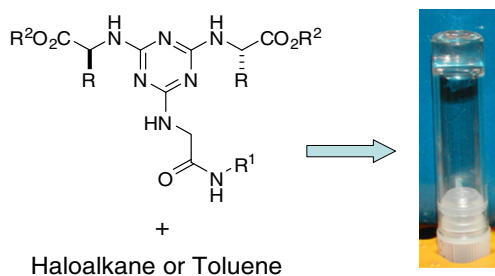
Derivatives of the new ring system pyrazolo[3,4-*d*][1,2,3]triazolo[1,5-*a*]pyrimidine were synthesized from the corresponding angular isomers, through a Dimroth rearrangement, in quantitative yields.



**Stable organogels derived from triazines functionalized with chiral  $\alpha$ -amino acid derivatives**

pp 5129–5132

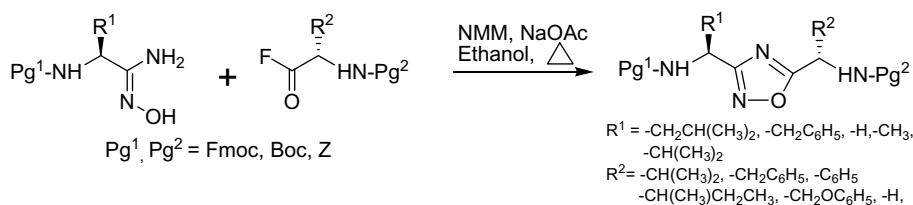
Raffella Maffezzoni, Matteo Zanda <sup>\*</sup>



**Synthesis of 1,2,4-oxadiazole-linked orthogonally urethane-protected dipeptide mimetics**

pp 5133–5136

Vommina V. Sureshbabu <sup>\*</sup>, Hosahalli P. Hemantha, Shankar A. Naik



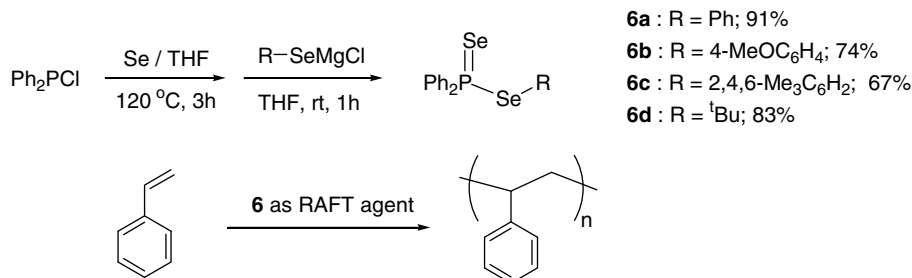
A new class of 1,2,4-oxadiazole-linked orthogonally urethane-protected dipeptide mimetics has been synthesized by reaction between an N-protected amino acyl fluoride and an amino acid-derived amidoxime.



**Synthesis of phosphinodiselenoic acid esters and their application as RAFT agents in styrene polymerization**

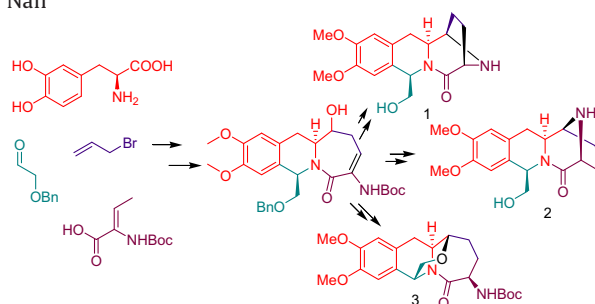
pp 5137–5140

Jeonju Moon, Hyungoog Nam, Sangseop Kim, Jeonga Ryu, Changhun Han, Chanhong Lee, Sunwoo Lee \*

**RCM-mediated stereoselective synthesis of three novel tetrahydroisoquinoline tetracyclic core frameworks**

pp 5141–5143

Qing-Qing Huang, Lin-Hai Chen, Fa-Jun Nan \*

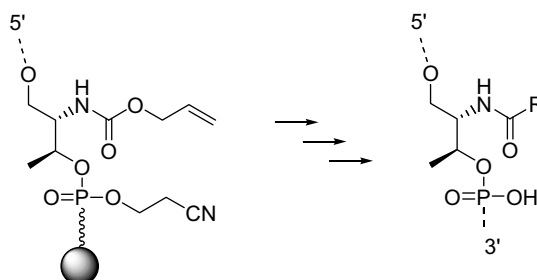


Three novel tetrahydroisoquinoline tetracyclic core frameworks were synthesized mainly employing a ring-closing metathesis (RCM)-mediated cyclization and a subsequent intramolecular SN<sub>2</sub> N(O)-substituted reaction.

**Postsynthetic modification of DNA via threoninol on a solid support by means of allylic protection**

pp 5144–5146

Hiroyuki Asanuma \*, Yuichi Hara, Akira Noguchi, Kanae Sano, Hiromu Kashida

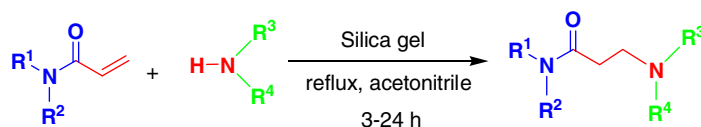


We have developed a facile but versatile method to introduce functional molecules into DNA on a CPG support by means of allylic protection.

**Silica gel accelerated aza-Michael addition of amines to  $\alpha,\beta$ -unsaturated amides**

pp 5147–5149

Lisha You \*, Song Feng, Rui An, Xinhong Wang, Donglu Bai

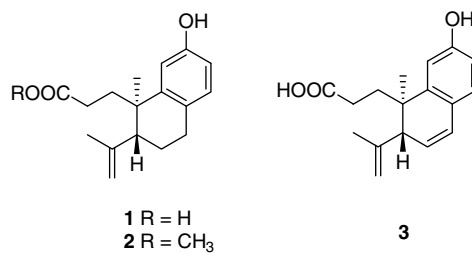


A novel method to synthesize  $\beta$ -amino amide has been developed via conjugated addition of amines to bulky  $\alpha,\beta$ -unsaturated amides promoted by silica gel.

**Three novel 3,4-*seco*-podocarpane trinorditerpenoids from *Aleurites moluccana***

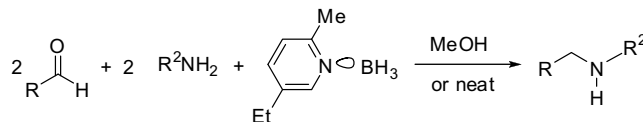
pp 5150–5151

Haiyang Liu, Yingtong Di, Junyun Yang, Fei Teng, Yi Lu, Wei Ni, Changxiang Chen \*, Xiaojiang Hao \*

**Reductive amination with 5-ethyl-2-methylpyridine borane**

pp 5152–5155

Elizabeth R. Burkhardt \*, Brian M. Coleridge

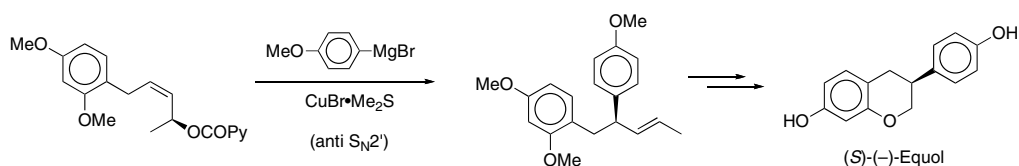


We report a new amine borane, 5-ethyl-2-methylpyridine borane complex (PEMB), useful for reductive aminations of ketones and aldehydes in methanol or neat. Two of the three hydrides on PEMB are effectively utilized maximizing the economy of the reagent.

**New synthetic route to (*S*)-(-)-equol through allylic substitution**

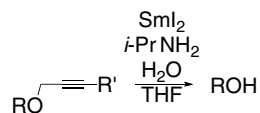
pp 5156–5158

Yuji Takashima, Yuichi Kobayashi \*

**Reductive deprotection of propargyl ether by a SmI<sub>2</sub>-amine-water system and its application to polymer-supported oligosaccharide synthesis**

pp 5159–5161

Shino Manabe \*, Akiharu Ueki, Yukishige Ito \*

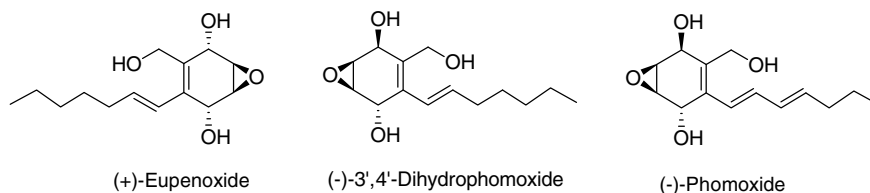


R = alkyl, aryl

R' = H, trialkylsilyl, trialkylgermanium

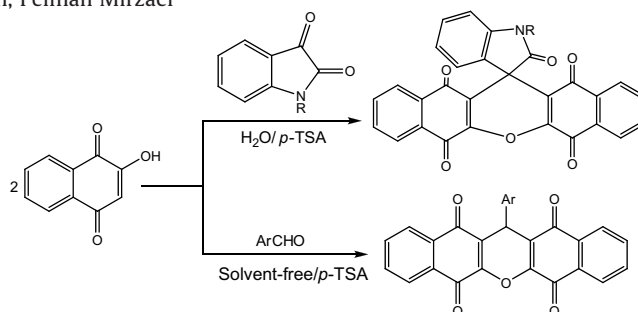
**On the stereostructures of (+)-eupenoxide and (-)-3',4'-dihydrophomoxide: a caveat on the spectral comparisons of oxygenated cyclohexenoids** pp 5162–5164

Goverdhan Mehta <sup>\*</sup>, Subhrangsu Roy, Rohan A. Davis



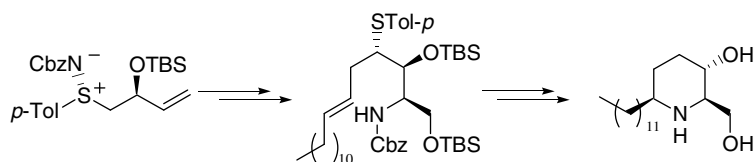
**An efficient synthesis of spiro[dibenzo[b,i]xanthene-13,3'-indoline]-pentaones and 5H-dibenzo[b,i]xanthene-tetraones** pp 5165–5168

Ayoob Bazgir <sup>\*</sup>, Zeinab Noroozi Tisseh, Peiman Mirzaei



**An asymmetric synthesis of (+)-desoxoprosophylline** pp 5169–5171

Sadagopan Raghavan <sup>\*</sup>, Shaik Mustafa



The synthesis of *N*-Cbz sulfilimines from the corresponding sulfoxide using the Burgess reagent and their utility as intramolecular nucleophiles is demonstrated by the synthesis of (+)-desoxoprosophylline.



**A convenient synthetic route for alkynylselenides from alkynyl bromides and diaryl diselenides employing copper(I)/imidazole as novel catalyst system** pp 5172–5174

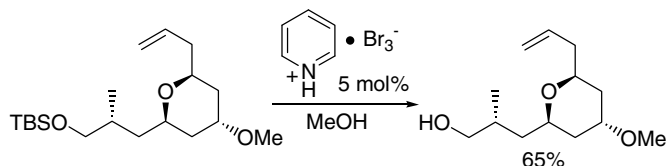
Anuj Sharma <sup>\*</sup>, Ricardo S. Schwab, Antonio L. Braga <sup>\*</sup>, Thiago Barcellos, Marcio W. Paixão



**Chemoselective TBS deprotection of primary alcohols by means of pyridinium tribromide (Py-Br<sub>3</sub>) in MeOH**

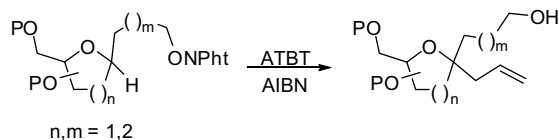
pp 5175–5178

Dionicio Martinez-Solorio, Michael P. Jennings \*

**Stereoselective synthesis of C-ketosides by sequential intramolecular hydrogen atom transfer–intermolecular allylation reaction**

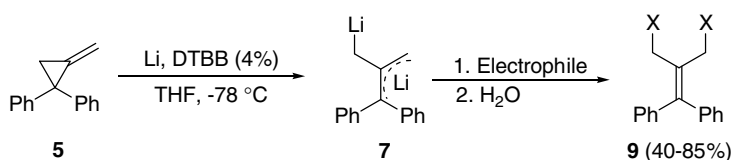
pp 5179–5181

Angeles Martín \*, Inés Pérez-Martín, Luis M. Quintanal, Ernesto Suárez \*

**1,3-Dilithio-2-(diphenylmethylene)propane**

pp 5182–5185

Victor J. Lillo, Cecilia Gómez \*, Miguel Yus \*

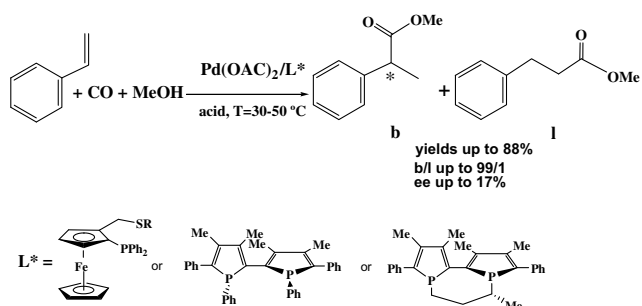


[Electrophile = H<sub>2</sub>O, D<sub>2</sub>O, CH<sub>2</sub>=CMeCH<sub>2</sub>Cl, Me<sub>3</sub>SiCl, Me<sub>3</sub>SiCH<sub>2</sub>Cl, *t*-BuCHO, Me<sub>2</sub>CO, Et<sub>2</sub>CO, *n*-Pr<sub>2</sub>CO, *t*-Pr<sub>2</sub>CO, *t*-Bu<sub>2</sub>CO, (CH<sub>2</sub>)<sub>5</sub>CO, Ph<sub>2</sub>CO and adamantanone

**Highly regioselective palladium-catalyzed methoxycarbonylation of styrene using chiral ferrocene- and biphosphole-based ligands**

pp 5186–5189

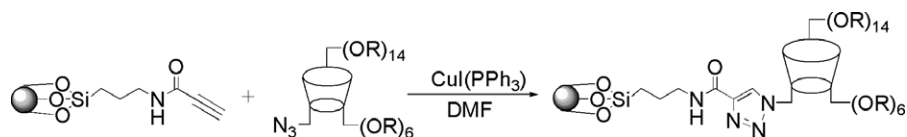
Lisa Diab, Maryse Gouygou \*, Eric Manoury \*, Philippe Kalck, Martine Urrutigoity \*



**Click chemistry for facile immobilization of cyclodextrin derivatives onto silica as chiral stationary phases**

pp 5190–5191

Yong Wang, Yin Xiao, Timothy Thatt Yang Tan \*, Siu-Choon Ng \*

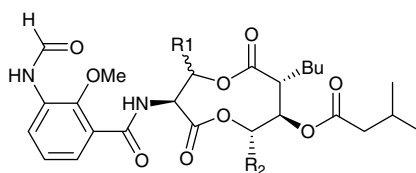


Chiral stationary phases are synthesized via Click chemistry and show good enantioselectivity in capillary electrochromatography.

**Synthesis of novel analogues of antimycin A<sub>3</sub>**

pp 5192–5195

Zilun Hu, Xiangjun Jiang, Wei Han \*

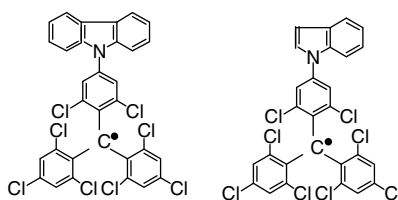


- 1a:** R<sub>1</sub> = (R)-Me, R<sub>2</sub> = H  
**1b:** R<sub>1</sub> = H, R<sub>2</sub> = Me  
**1c:** R<sub>1</sub> = (S)-Me, R<sub>2</sub> = H  
**1d:** R<sub>1</sub> = H, R<sub>2</sub> = H

**Light-emitting persistent radicals for efficient sensor devices of solvent polarity**

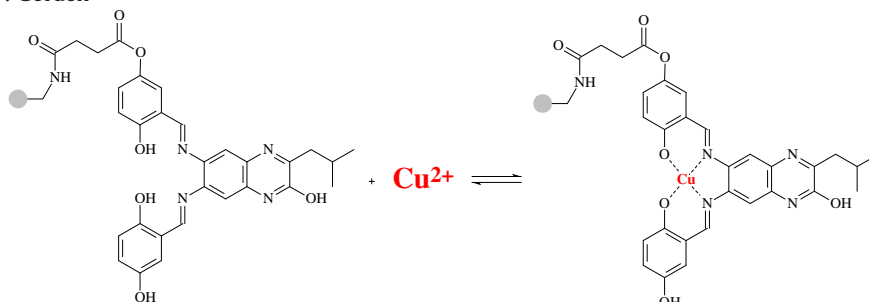
pp 5196–5199

Marc López, Dolores Velasco \*, Francisco López-Calahorra, Luis Juliá \*

**2-Quinoxalinol salen ligands incorporated into functionalized resins for selective solid-phase extraction of copper(II)**

pp 5200–5203

Xianghong Wu, Anne E. V. Gorden \*

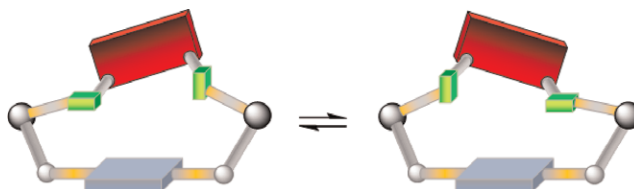


2-Quinoxalinol salen ligands supported on an aminomethyl-polystyrene resin has been shown to efficiently and selectively extract copper(II) ions from organic solvents within 30 min under a variety of experimental conditions. Mild reducing conditions allow for metal ion recovery.

**Temperature induced rotation in a [4.4]cyclophane**

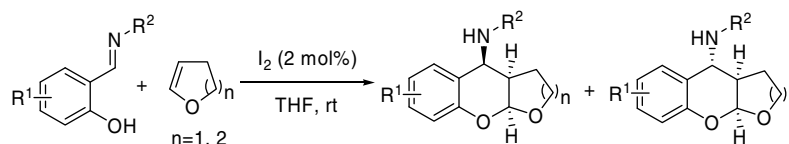
pp 5204–5207

Niculina D. Bogdan \*, Eric Condamine, Loïc Toupet, Yvan Ramondenc, Ioan Silaghi-Dumitrescu, Ion Grosu \*

**Molecular iodine-catalyzed diastereoselective synthesis of cis-fused pyranobenzopyrans and furanobenzopyrans**

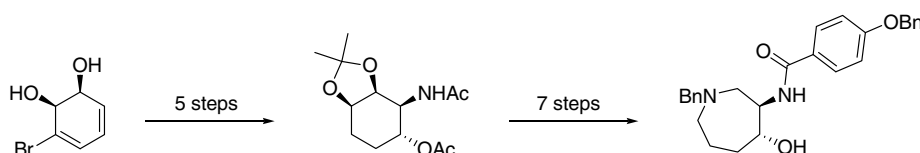
pp 5208–5210

Jun Wang, Fang-Xi Xu, Xu-Feng Lin \*, Yan-Guang Wang \*

**Chemoenzymatic formal synthesis of (–)-balanol. Provision of optical data for an often-reported intermediate**

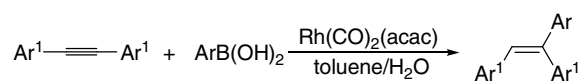
pp 5211–5213

Bradford Sullivan, Tomas Hudlicky \*

Formal total synthesis of (–)-balanol was accomplished by the preparation of the bis-benzyl derivative **3** (optical rotation data is provided) in 13 steps from bromobenzene.**Phosphine-free rhodium-catalyzed hydroarylation of diaryl acetylenes with boronic acids**

pp 5214–5216

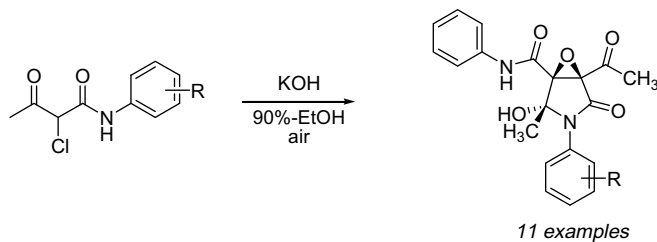
Weiwei Zhang, Miaochang Liu, Huayue Wu, Jinchang Ding, Jiang Cheng \*



**Unexpected formation of new bicyclic  $\gamma$ -lactams by dimerization of  $\alpha$ -chloroacetoacetanilides**

pp 5217–5219

Minsoo Han, Kee-Dal Nam, Hoh-Gyu Hahn \*, Dongyun Shin \*

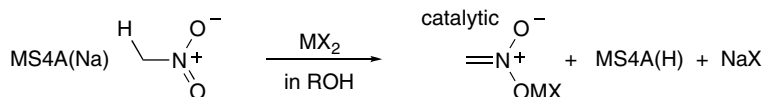


Novel and unusual dimerization reaction of  $\alpha$ -chloroacetoacetanilide under basic reaction condition to give structurally unique 6-oxa-3-azabicyclo[3.1.0]hexane was described.

**Molecular sieves 4A work to mediate the catalytic metal enolization of nucleophile precursors: application to catalyzed enantioselective Michael addition reactions**

pp 5220–5223

Masayuki Hasegawa \*, Fumiyasu Ono, Shuji Kanemasa



\*Corresponding author

Supplementary data available via ScienceDirect

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

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<sup>®</sup>. Full text available on ScienceDirect<sup>®</sup>.



ELSEVIER

ISSN 0040-4039