

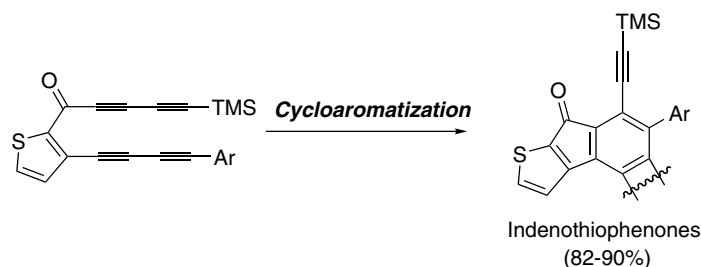
Tetrahedron Letters Vol. 46, No. 8, 2005

Contents

COMMUNICATIONS

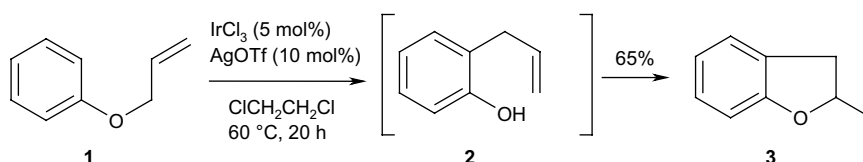
Synthesis of indenothiophenone derivatives by cycloaromatization of non-conjugated thienyl tetraynes pp 1233–1236

Tomikazu Kawano,\* Hiroki Inai, Kazuhiro Miyawaki and Ikuo Ueda



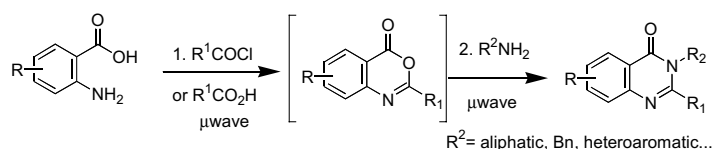
Iridium(III)-catalyzed tandem Claisen rearrangement–intramolecular hydroaryloxylation of aryl allyl ethers to form dihydrobenzofurans pp 1237–1239

Virginia H. Grant and Bing Liu\*



Microwave-assisted one-pot synthesis of 2,3-disubstituted 3H-quinazolin-4-ones pp 1241–1244

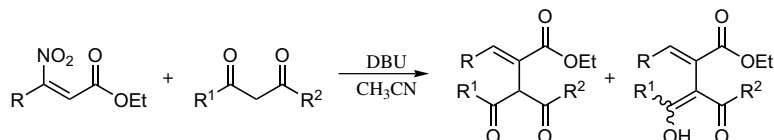
Ji-Feng Liu,\* Jaekyoo Lee, Audra M. Dalton, Grace Bi, Libing Yu,  
Carmen M. Baldino, Eric McElory and Matt Brown



**$\beta$ -Nitro acrylic esters as precursors for the one pot synthesis of polyfunctionalized  $\alpha,\beta$ -unsaturated esters**

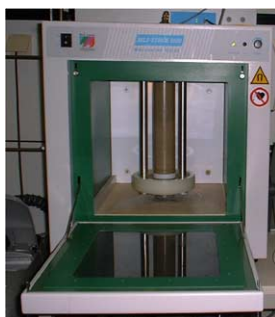
pp 1245–1246

Roberto Ballini,\* Dennis Fiorini and Alessandro Palmieri


**Microwave-enhanced hydrogenations at medium pressure using a newly constructed reactor**

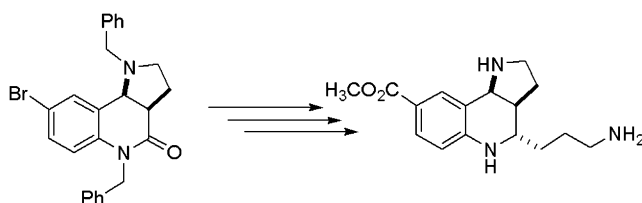
pp 1247–1249

Eberhard Heller, Werner Lautenschläger and Ulrike Holzgrabe\*


**Formal total synthesis of ( $\pm$ )-martinellic acid**

pp 1251–1254

Yong He, Remond Moningka and Carl J. Lovely\*

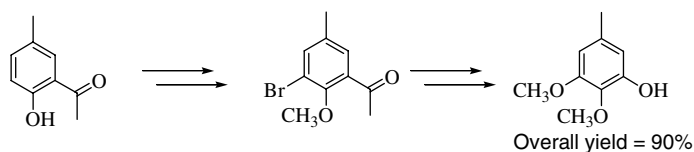


The formal total synthesis of the *Martinella* alkaloids has been accomplished through the elaboration of a pyrrolo[3,2-*c*]quinol-2-one via the addition of a highly functionalized copper acetylide.

**New convenient synthesis of iridol. An approach to the synthesis of ubiquinones**

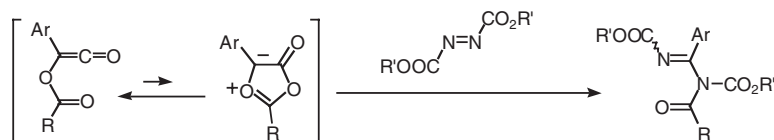
pp 1255–1257

Paolo Bovicelli,\* Roberto Antonioletti, Maurizio Barontini, Giorgio Borioni, Roberta Bernini and Enrico Mincione



**Reaction of electron deficient N=N bonds with acyloxyketenes and mesoionic 1,3-dioxolium-4-olates: fast equilibrium between acyloxyketenes and mesoionic 1,3-dioxolium-4-olates** pp 1259–1262

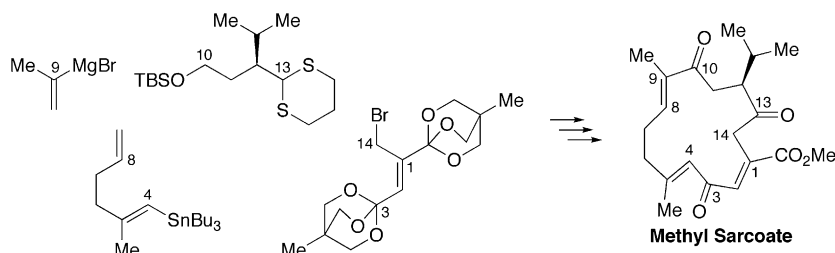
Masashi Hamaguchi,\* Naoki Tomida, Eiko Mochizuki and Takumi Oshima



**Synthetic studies on biscembranoids: asymmetric total synthesis of methyl sarcoate**

pp 1263–1267

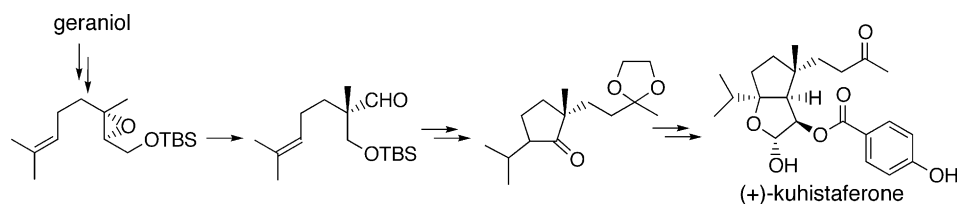
Takahiro Ichige, Satoshi Kamimura, Kazuya Mayumi, Yasuyuki Sakamoto, Shingo Terashita, Eriko Ohteki, Naoki Kanoh and Masaya Nakata\*



**Total synthesis of (+)-kuhistaferone**

pp 1269–1271

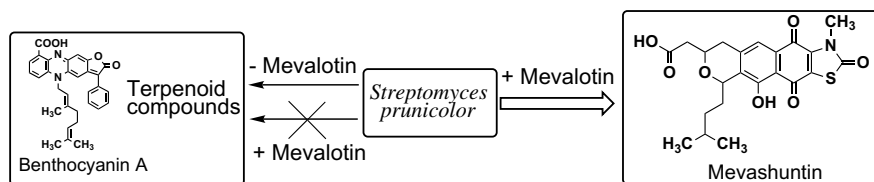
Mari Fujita, Mitsuru Shindo and Kozo Shishido\*



**Mevashuntin, a novel metabolite produced by inhibition of the mevalonate pathway in *Streptomyces prunicolor***

pp 1273–1276

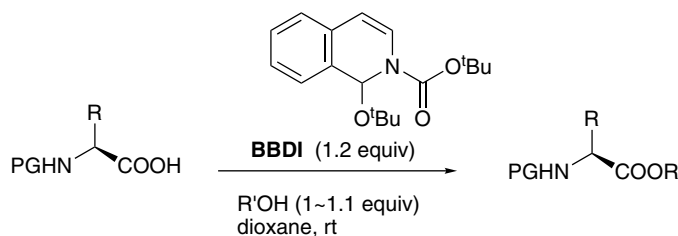
Kazuo Shin-ya,\* Yukiko Umeda, Shuhei Chijiwa, Kazuo Furihata, Keiko Furihata, Yoichi Hayakawa and Haruo Seto



### Simple and mild esterification of *N*-protected amino acids with nearly equimolar amounts of alcohols using 1-*tert*-butoxy-2-*tert*-butoxycarbonyl-1,2-dihydroisoquinoline

pp 1277–1279

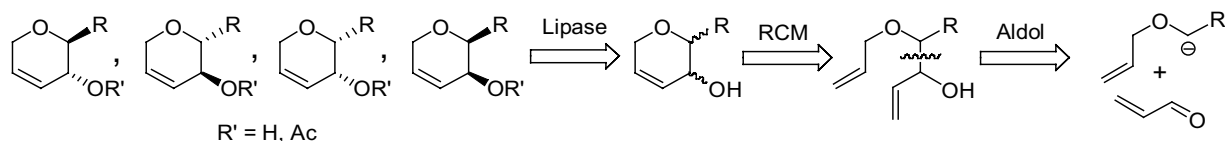
Yukako Saito, Toru Yamaki, Fumiaki Kohashi, Tomokazu Watanabe, Hidekazu Ouchi and Hiroki Takahata\*



### Efficient synthesis of enantiomerically pure dihydropyrans

pp 1281–1285

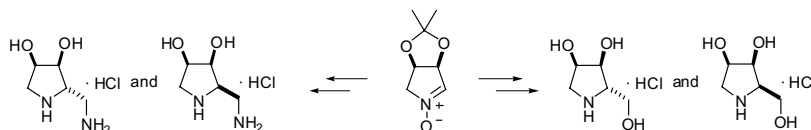
Bor-Cherng Hong,\* Zhong-Yi Chen, Arumugam Nagarajan, Kottani Rudresha, Vishal Chavan, Wei-Hung Chen, Yea-Fen Jiang, Shuo-Cang Zhang, Gene-Hsiang Lee and Sepehr Sarshar



### Straightforward synthesis of enantiopure 2-aminomethyl and 2-hydroxymethyl pyrrolidines with complete stereocontrol

pp 1287–1290

Marco Marradi, Stefano Cicchi, J. Ignacio Delso, Luca Rosi, Tomas Tejero, Pedro Merino\* and Andrea Goti\*



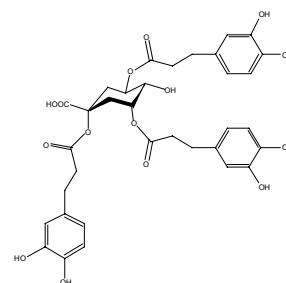
A practical synthesis of 2-aminomethyl- and 2-hydroxymethyl-3,4-dihydroxypyrrolidines via stereocontrolled addition of TMSCN and LiCH<sub>2</sub>OMOM to chiral 3,4 dihydro-2*H*-pyrroline *N*-oxides is reported.

### Podospermic acid, 1,3,5-tri-*O*-(7,8-dihydrocaffeoyl)quinic acid from *Podospermum laciniatum* (Asteraceae)

pp 1291–1294

Christian Zidorn,\* Bent O. Petersen, Vedrana Udovičić, Thomas O. Larsen, Jens Ø. Duus, Judith M. Rollinger, Karl-Hans Ongania, Ernst P. Ellmerer and Hermann Stuppner

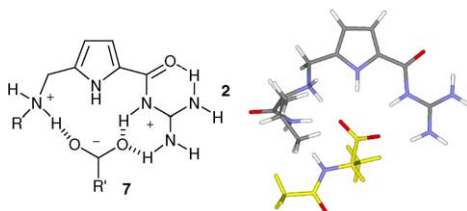
A phytochemical investigation of *Podospermum laciniatum* (L.) DC. (Asteraceae) yielded the new quinic acid derivative podospermic acid (1,3,5-tridihydrocaffeoylquinic acid), which was named after the genus it was isolated from. The structure was established by HR mass spectrometry and extensive 1D and 2D NMR spectroscopy. Podospermic acid is the first naturally occurring dihydrocaffeoylquinic acid derivative. The chemosystematic impact and the radical scavenging activity of the new compound are discussed briefly.



**Amino acid binding in water by a new guanidiniocarbonyl pyrrole dication: the effect of the experimental conditions on complex stability and stoichiometry**

pp 1295–1298

Carsten Schmuck\* and Svea Graupner

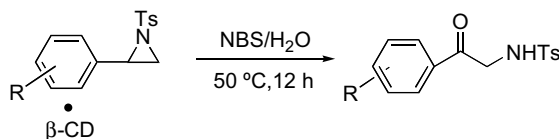


The synthesis and binding properties of a new guanidiniocarbonyl pyrrole dication **2** are reported, which efficiently binds alanine carboxylate **7** in water with  $\log K_{\text{ass}} = 3.9$ . However, the experimental conditions for determining the binding constant significantly influence both complex stability and stoichiometry.

**A mild and efficient synthesis of  $\alpha$ -tosylamino ketones from aryl aziridines in the presence of  $\beta$ -cyclodextrin and NBS in water**

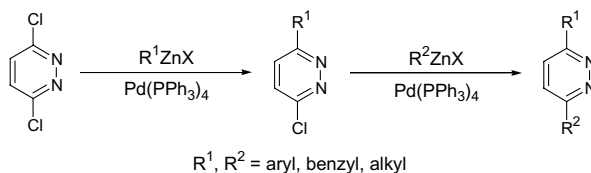
pp 1299–1301

M. Somi Reddy, M. Narender and K. Rama Rao\*

**Highly selective mono-substitution in Pd-catalyzed cross-coupling reactions of 3,6-dichloropyridazine with organozinc compounds**

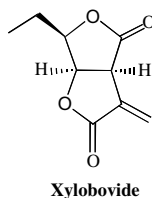
pp 1303–1305

Dmitriy S. Chekmarev, Alexander E. Stepanov and Alexander N. Kasatkin\*

**A radical mediated first total synthesis from 'diacetone glucose' and determination of the absolute stereochemistry of xylobovide**

pp 1307–1309

G. V. M. Sharma\* and T. Gopinath

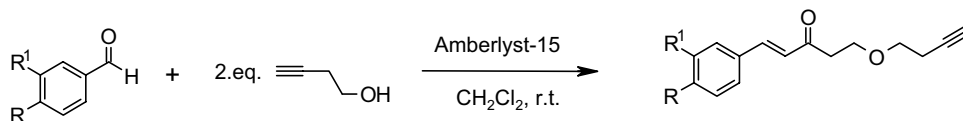


The first total synthesis by an intramolecular radical cyclisation protocol on a carbohydrate derived 5-hexynyl system, and determination of the absolute stereochemistry of xylobovide are reported.

**Amberlyst-15® as a novel and recyclable solid acid for the coupling of aromatic aldehydes with homopropargyl alcohol**

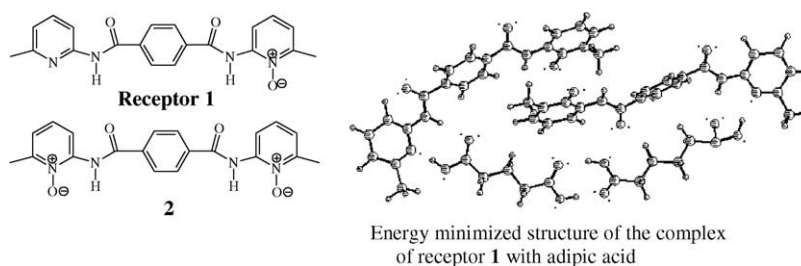
pp 1311–1313

J. S. Yadav,\* B. V. Subba Reddy and P. Vishnumurthy

**Directed H-bonding inhibition in molecular recognition: an NMR case study of the H-bonding of a dicarboxylic acid with a new mixed diamide receptor having one adjacent pyridine-*N*-oxide**

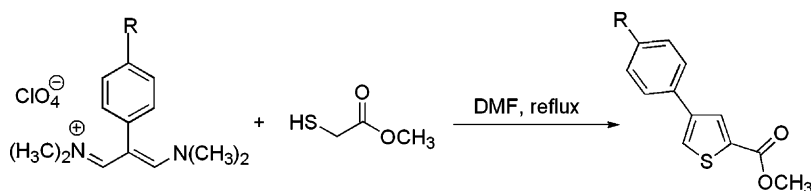
pp 1315–1318

Shyamaprosad Goswami,\* Swapan Dey, Annada C. Maity and Subrata Jana

**The application of vinamidinium salts to the synthesis of 2,4-disubstituted thiophenes**

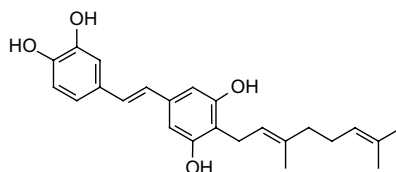
pp 1319–1320

Ryan T. Clemens and Stanton Q. Smith\*

**Total synthesis of pawhuskin C: a directed *ortho* metalation approach**

pp 1321–1324

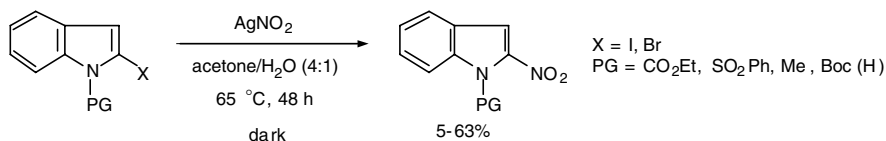
Jeffrey D. Neighbors, Maya S. Salnikova and David F. Wiemer\*



**A convenient synthesis of 2-nitroindoles**

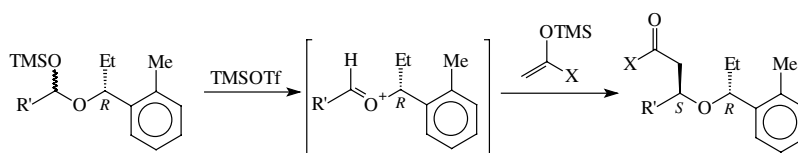
pp 1325–1328

Sujata Roy and Gordon W. Gribble\*

**Acetate aldol reactions of chiral oxocarbenium ions**

pp 1329–1332

Sandeep Kanwar and Sanjay Trehan\*

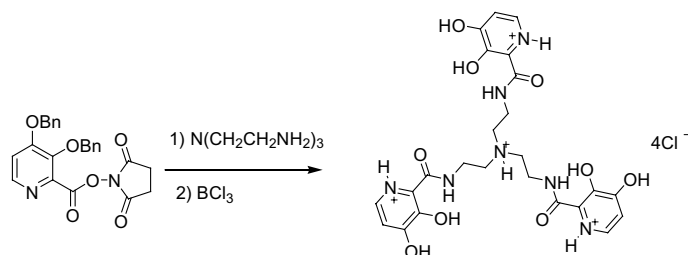


Acetate aldol reactions of chiral oxocarbenium ions have been investigated and give the corresponding products with high diastereoselectivity in a predictable manner.

**Design and characterisation of novel hexadentate 3-hydroxypyridin-4-one ligands**

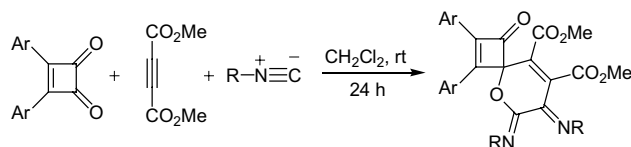
pp 1333–1336

Sirivipa Piyamongkol, Tao Zhou, Zu D. Liu, Hicham H. Khodr and Robert C. Hider\*

**One-pot, four-component reaction of isocyanides, dimethyl acetylenedicarboxylate, and cyclobutene-1,2-diones: a synthesis of novel spiroheterocycles**

pp 1337–1339

Vijay Nair,\* Rajeev S. Menon, Ani Deepthi, B. Rema Devi and A. T. Biju



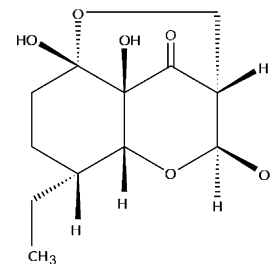
Isocyanides, dimethyl acetylenedicarboxylate, and cyclobutene-1,2-diones react in one-pot to afford novel spirocyclic compounds with double insertion of the isocyanide.

**An anti-herpes simplex virus-type 1 agent from *Xylaria mellisii* (BCC 1005)**

pp 1341–1344

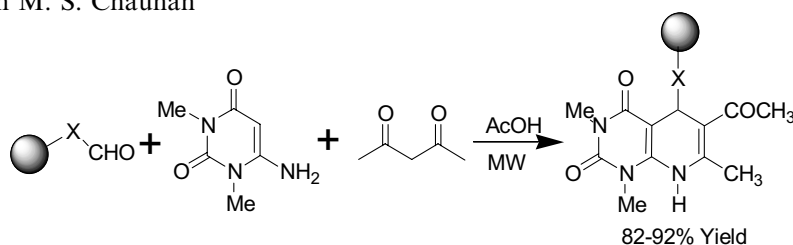
Pattama Pittayakhajonwut,\* Rapheepat Suvannakad, Surang Thienhirun, Samran Prabpai, Palangpon Kongsaree and Morakot Tanticharoen

A structurally unique polyketide, mellisol and 1,8-dihydroxynaphthol 1-*O*- $\alpha$ -glucopyranoside, have been isolated from the fungus *Xylaria mellisii*. The relative stereostructure of mellisol was determined on the basis of X-ray crystallographic data.

**Solid supported synthesis of structurally diverse dihydropyrido[2,3-*d*]pyrimidines using microwave irradiation**

pp 1345–1348

Anu Agarwal and Prem M. S. Chauhan\*

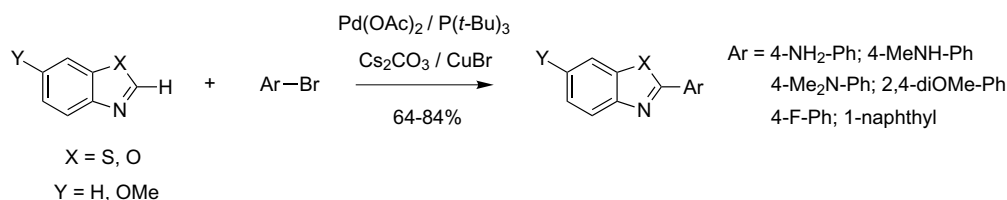


A library of dihydropyrido[2,3-*d*]pyrimidines has been synthesized on solid support using microwave irradiation.

**One-step synthesis of 2-arylbenzothiazole ('BTA') and -benzoxazole precursors for in vivo imaging of  $\beta$ -amyloid plaques**

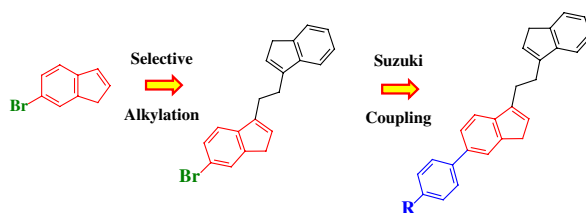
pp 1349–1351

David Alagille, Ronald M. Baldwin and Gilles D. Tamagnan\*

**Selective alkylation and Suzuki coupling as an efficient strategy for introducing functional anchors to the ethylene-bis(indenyl) ligand**

pp 1353–1356

Anthony P. Panarello, Oleksiy Vassilyev and Johannes G. Khinast\*

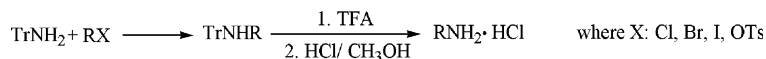




**A convenient method for the preparation of primary amines using tritylamine**

pp 1357–1360

Vassiliki Theodorou,\* Valentine Ragoussis, Alexandros Strongilos, Evangelos Zelepos, Argyro Eleftheriou and Maria Dimitriou

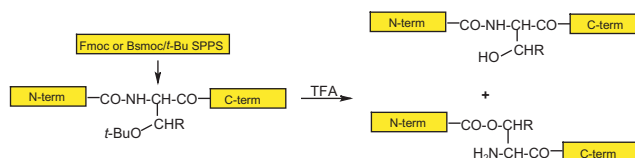


A convenient method for the preparation of primary amines from alkyl halides or alkyl tosylates by the use of tritylamine has been established. Primary amines were obtained in good yields by treating the *N*-tritylamines with trifluoroacetic acid.

**Dramatically enhanced N→O acyl migration during the trifluoroacetic acid-based deprotection step in solid phase peptide synthesis**

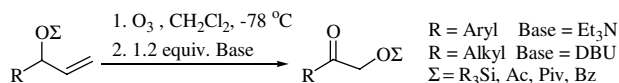
pp 1361–1364

Louis A. Carpino,\* Eberhard Krause, Calin Dan Sferdean, Michael Bienert and Michael Beyermann\*

**Synthetic applications of the amine-base treatment in the ozonolysis of substituted-allyl silyl ethers or -allyl esters via a novel ene-diol type rearrangement**

pp 1365–1368

Yung-Son Hon\* and Ying-Chieh Wong

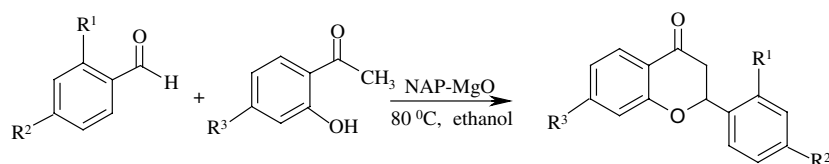


The ozonolysis of substituted-allyl silyl ethers or -allyl esters followed by treatment with bases gave the corresponding  $\alpha$ -silyloxy ketones or  $\alpha$ -acyloxy ketones in good yields. The reaction was proposed to proceed via a novel ene-diol rearrangement of the corresponding  $\alpha$ -silyloxy aldehydes or  $\alpha$ -acyloxy aldehydes intermediates.

**Synthesis of flavanones using nanocrystalline MgO**

pp 1369–1371

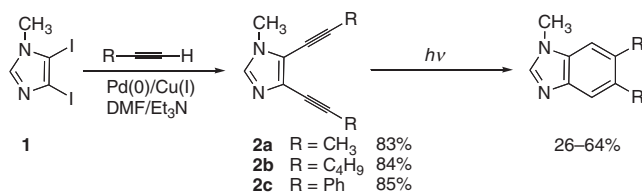
B. M. Choudary,\* K. V. S. Ranganath, Jagajit Yadav and M. Lakshmi Kantam



**Photoinduced Bergman cycloaromatization of imidazole-fused enediynes**

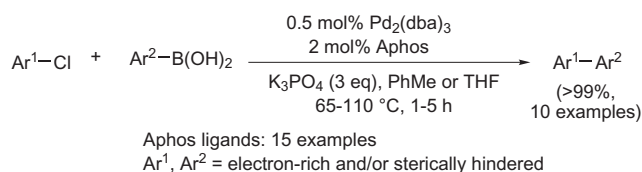
pp 1373–1375

Zhengrong Zhao, Justin G. Peacock, Daniel A. Gubler and Matt A. Peterson\*

**A family of simple amide-derived air-stable P,O-ligands for Suzuki cross-coupling of unactivated aryl chlorides**

pp 1377–1381

Wei-Min Dai\* and Ye Zhang

**OTHER CONTENTS**Contributors to this issue  
Instructions to contributorsp I  
pp III–VI

\*Corresponding author

①\* Supplementary data available via ScienceDirect

**COVER**

The first asymmetric total synthesis of a marine natural product, methyl sarcoate, has been achieved featuring the asymmetric Michael addition, the dithiane coupling, the Kosugi-Migita-Stille coupling, and the ring-closing metathesis. *Tetrahedron Letters* **2005**, 46, 1263–1267.

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