

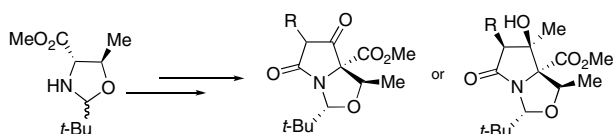
Contents

COMMUNICATIONS

Efficient enantioselective synthesis of tetramic acids and lactams from threonine

pp 7259–7262

Muhammad Anwar and Mark G. Moloney\*

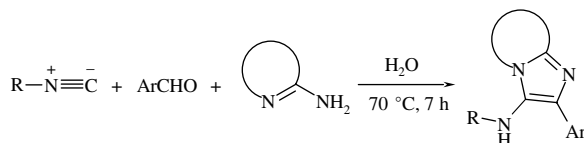


Regioselective Dieckmann and aldol cyclisations using an *N*-acyloxazolidine derived from threonine give substituted tetramic acids and proglutamates in high yield and enantioselectivity.

Catalyst-free three-component reaction between 2-aminopyridines (or 2-aminothiazoles), aldehydes, and isocyanides in water

pp 7263–7265

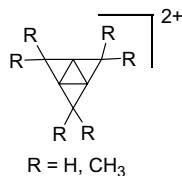
Mehdi Adib,\* Mohammad Mahdavi, Mahsa Alizadeh Noghani and Peiman Mirzaei



How stable actually is the planar ‘triangular’ benzene dication?

pp 7266–7268

Alexander M. Genaev\* and Vyacheslav G. Shubin

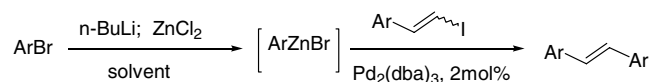


Quantum chemical calculations indicate that the kinetic stability of an earlier proposed elegant planar ‘triangular’ benzene dication is very low. The kinetic stability of its methylated derivative is even lower.

**An efficient palladium-catalyzed Negishi cross-coupling reaction with arylvinyl iodides: facile regioselective synthesis of *E*-stilbenes and their analogues**

pp 7269–7273

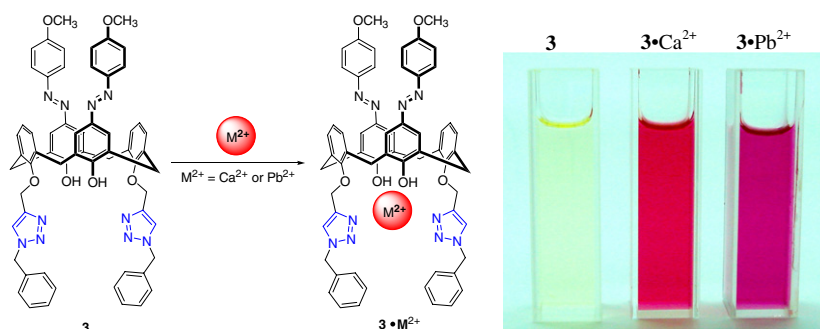
M. Shahjahan Kabir, Aaron Monte and James M. Cook\*



**Triazole- and azo-coupled calix[4]arene as a highly sensitive chromogenic sensor for  $\text{Ca}^{2+}$  and  $\text{Pb}^{2+}$  ions**

pp 7274–7278

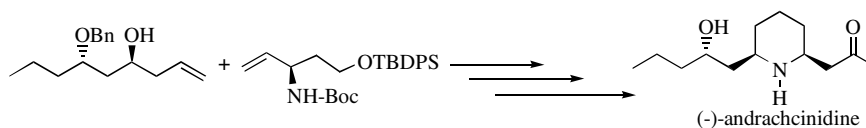
Kai-Chi Chang, In-Hao Su, Gene-Hsiang Lee and Wen-Sheng Chung\*



**A stereoselective total synthesis of (–)-andrachcinidine via an olefin cross-metathesis protocol**

pp 7279–7282

Palakodety Radha Krishna\* and G. Dayaker

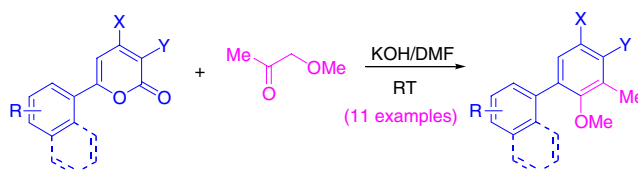


A stereoselective total synthesis of (–)-andrachcinidine is reported.

**A regioselective palladium-free protocol for accessing unsymmetrical biaryls through ring transformation of 6-aryl- $\alpha$ -pyrones**

pp 7283–7286

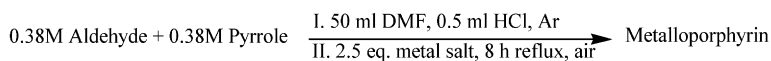
Amit Kumar, Fateh V. Singh and Atul Goel\*



**One-pot general synthesis of metalloporphyrins**

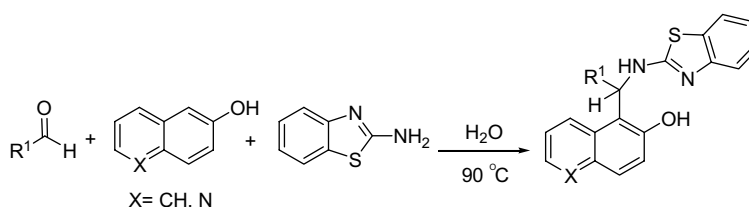
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Anil Kumar, Suman Maji, Prashant Dubey, G. J. Abhilash, Sohini Pandey and Sabyasachi Sarkar\*

**Water promoted one-pot synthesis of 2'-aminobenzothiazolomethyl naphthols and 5-(2'-aminobenzothiazolomethyl)-6-hydroxyquinolines**

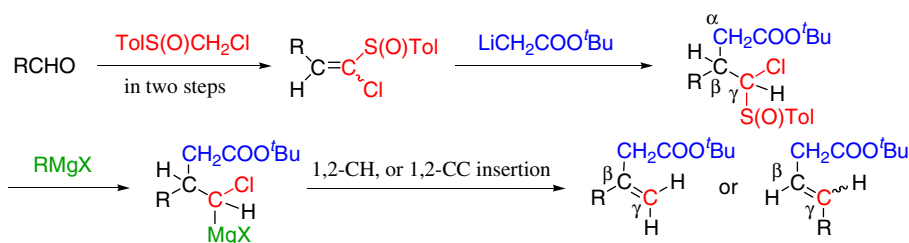
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Ahmad Shaabani,\* Abbas Rahmati and Elham Farhangi

**A new synthesis of  $\beta,\gamma$ -unsaturated esters from three components, aldehydes, chloromethyl *p*-tolyl sulfoxide, and *tert*-butyl acetate, via magnesium carbenoid 1,2-CH and 1,2-CC insertion as the key reaction**

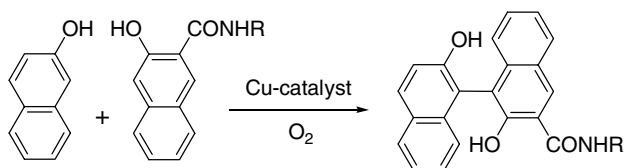
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Tsuyoshi Satoh,\* Hironori Yamashita and Jun Musashi

**Oxidative cross-coupling leading to 3-amido substituted 1,1'-bi-2-naphthol derivatives**

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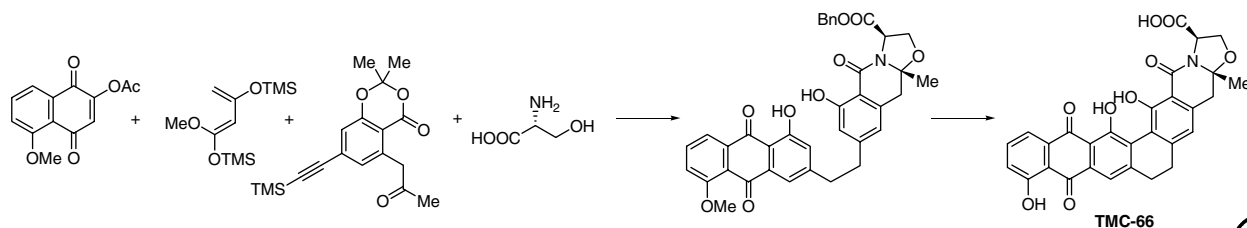
Shigeki Habaue,\* Yusuke Takahashi and Tomohisa Temma



**The first total synthesis and structural determination of TMC-66**

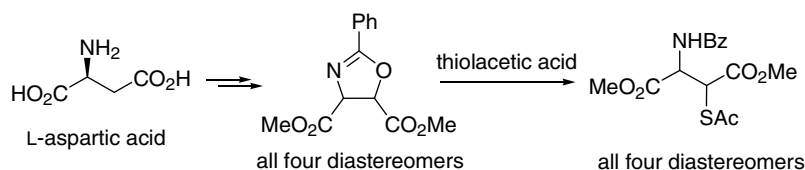
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Sejiro Hosokawa,\* Hitoshi Fumiya, Hisato Fukuda, Tomohiro Fukuda, Masashi Seki and Kuniaki Tatsuta\*

**Ring-opening of oxazolines derived from L-serine: a short and efficient stereoselective synthesis of all four diastereomers of 3-mercaptoaspartic acid derivatives**

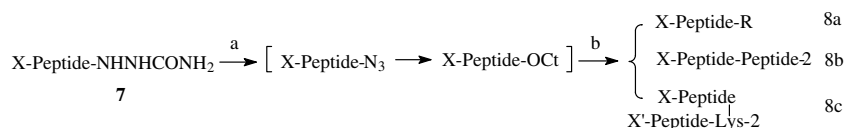
pp 7309–7312

Sang-Hyeup Lee, Juhan Bok, Xin Qi, Sook Kyung Kim, Yoon-Sik Lee\* and Juyoung Yoon\*

**Apply peptide C-terminal semicarbazides to peptide segment coupling using transfer active ester condensation technology**

pp 7313–7315

Pu Wang

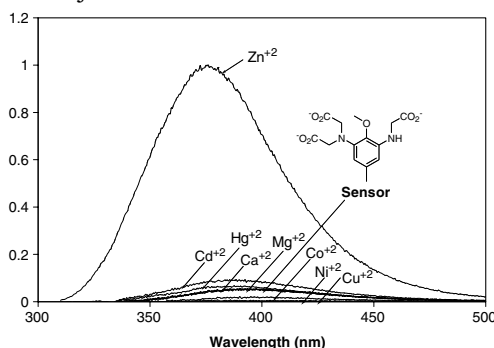


Long chain and branch peptides, and peptide N-terminal derivatives are synthesized starting with peptide-NHNHCONH<sub>2</sub> using transfer active ester condensation (TAEC) technology.

**A Zn(II) ion selective fluorescence sensor that is not affected by Cd(II)**

pp 7316–7319

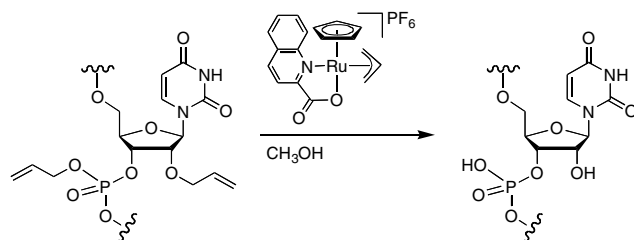
Julius N. Ngwendson and Anamitro Banerjee\*



**A new synthetic route to oligoribonucleotides based on CpRu-catalyzed deallylation**

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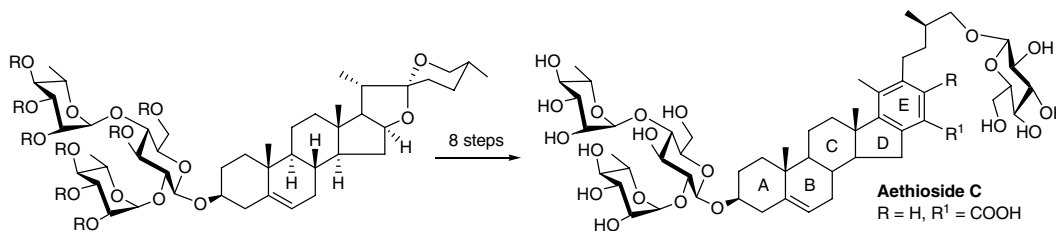
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**Synthesis of steroidal saponins bearing an aromatic E ring**

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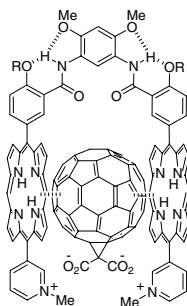
Ziyu Wang, Ming Li, Xueting Liu and Biao Yu\*



**Complexation of hydrogen bonding-driven preorganized di- and hexacationic bisporphyrin receptors for  $C_{60}C(CO_2^-)_2$  in aqueous and DMSO media**

pp 7327–7331

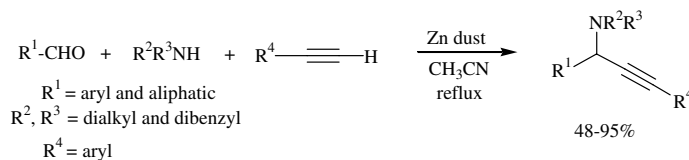
Hui Liu, Jing Wu, Yun-Xiang Xu, Xi-Kui Jiang and Zhan-Ting Li\*



**Efficient one-pot synthesis of propargylamines using zinc dust**

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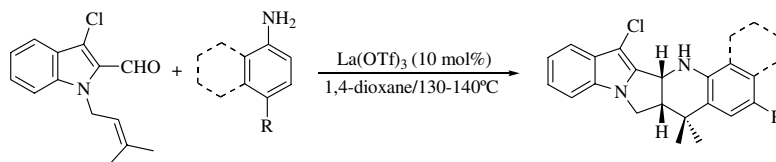
M. Lakshmi Kantam,\* V. Balasubrahmanyam, K. B. Shiva Kumar and G. T. Venkanna



### Highly diastereoselective synthesis of new indolopyrroloquinolines through intramolecular imino Diels–Alder reactions

pp 7335–7338

Vikram Gaddam and Rajagopal Nagarajan\*



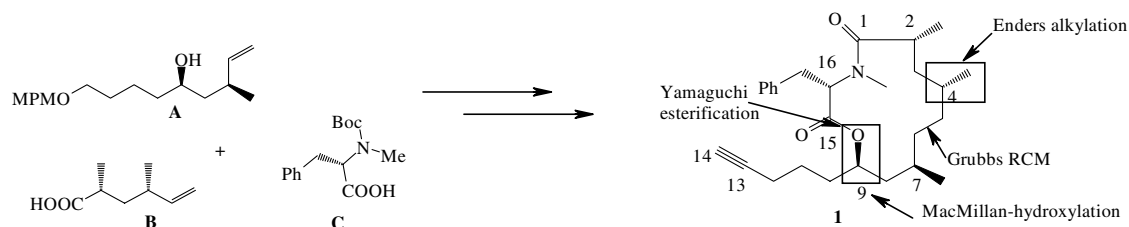
A new, efficient and highly diastereoselective one-pot synthesis of cis-fused indolopyrroloquinoline derivatives is reported.



### Stereoselective formal total synthesis of the cyclodepsipeptide (–)-spongidepsin

pp 7339–7342

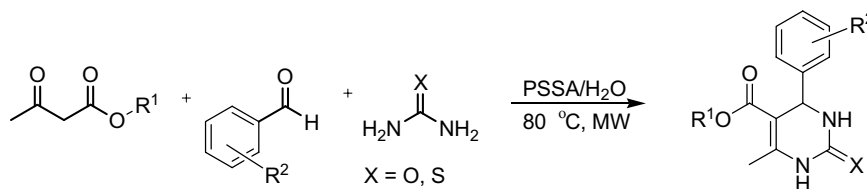
Srivari Chandrasekhar,\* Srinivasa Rao Yaragorla and Lella Sreelakshmi



### Biginelli reaction in aqueous medium: a greener and sustainable approach to substituted 3,4-dihydropyrimidin-2(1H)-ones

pp 7343–7346

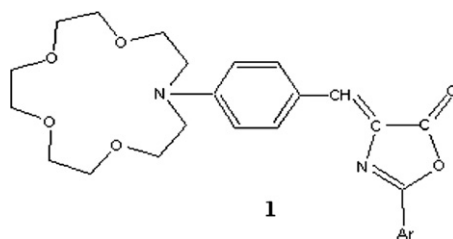
Vivek Polshettiwar and Rajender S. Varma\*



### Synthesis and spectroscopic properties of new 5-oxazolone derivatives containing an N-phenyl-aza-15-crown-5 moiety

pp 7347–7350

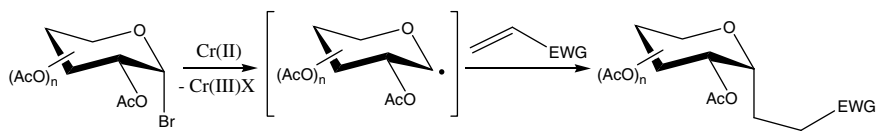
Gulsiye Ozturk, Serap Alp\* and Yavuz Ergun



Novel 5-oxazolone derivatives containing an *N*-phenyl-aza-15-crown-5 moiety have been synthesized for the first time.

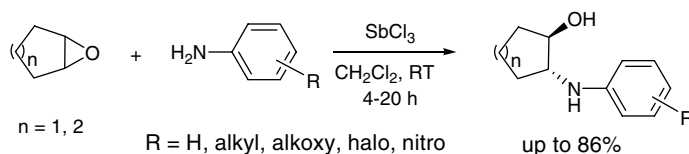
**Chromium(II)-complex mediated formation of C-glycosides from glycosyl halides under aqueous biphasic conditions** pp 7351–7353

Zsuzsa Juhász, Károly Micskei,\* Emese Gál and László Somsák\*

**Antimony(III) chloride-catalyzed ring opening of epoxides with anilines**

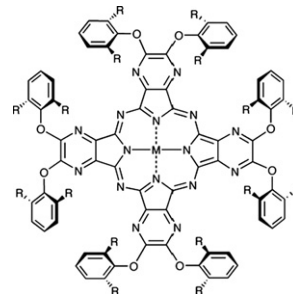
pp 7354–7357

Mahesh Chander Singh and Rama Krishna Peddinti\*

**The synthesis of metal-free octaazaphthalocyanine derivatives containing bulky phenoxy substituents to prevent self-association** pp 7358–7361

Saad Makhseed,\* Fadi Ibrahim, C. Grazia Bezzu and Neil B. McKeown

Phenoxy-substituted octaazaphthalocyanines are prepared for the first time.

**An efficient, continuous flow technique for the chemoselective synthesis of thioacetals**

pp 7362–7365

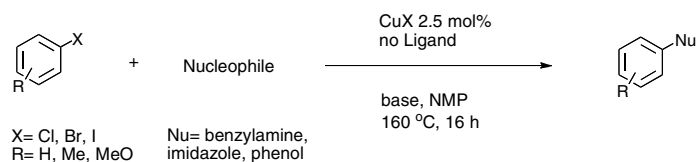
Charlotte Wiles, Paul Watts\* and Stephen J. Haswell

Owing to the unique reaction conditions obtained in continuous flow packed-bed systems, we are able to overcome selectivity issues frequently encountered in traditional stirred reactor vessels, enabling the synthesis of analytically pure compounds with ease. In addition, the synthesis of numerous thioacetals and thioketals is reported, demonstrating reaction reproducibility unparalleled by traditional stirred or shaken reactor methodology.

**Ligand-free copper(I) catalyzed N- and O-arylation of aryl halides**

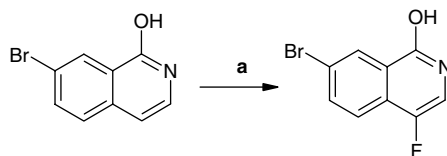
pp 7366–7370

Elena Sperotto, Johannes G. de Vries, Gerard P. M. van Klink and Gerard van Koten\*

**Selective fluorination of 1-hydroxyisoquinolines using Selectfluor™**

pp 7371–7373

David A. Price,\* Kim James, Simon Osborne and Gareth W. Harbottle



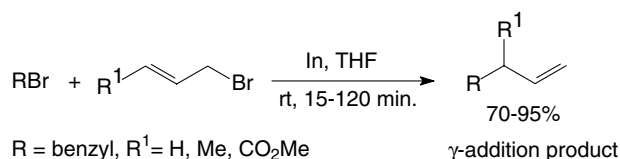
a. Selectfluor, MeCN, reflux, 45%

The highly regioselective fluorination of 1-hydroxyisoquinoline is described using Selectfluor™ (F–TEDA–BF<sub>4</sub>) under a variety of conditions.

**Regioselective cross-coupling of allylindium reagents with activated benzylic bromides—a simple and efficient procedure for the synthesis of terminal alkenes**

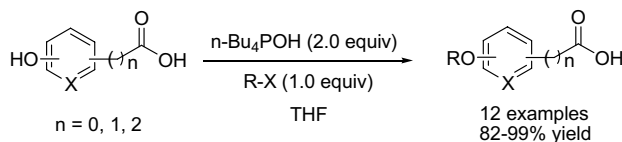
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Brindaban C. Ranu,\* Subhash Banerjee and Laksmikanta Adak

**A simple method for chemoselective phenol alkylation**

pp 7380–7382

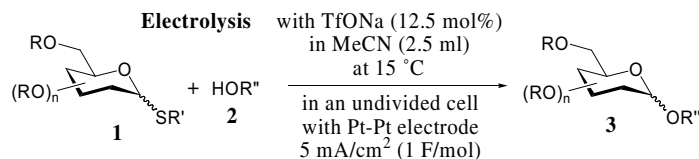
Pingli Liu,\* Liang Huang and Margaret M. Faul





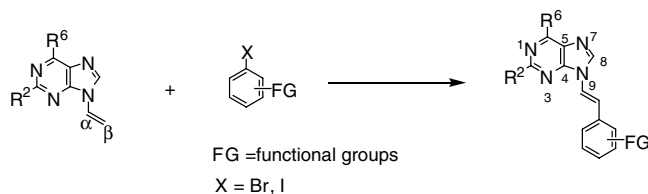
**Electrochemical O-glycosylation using thioglycosides as glycosyl donors in the presence of a catalytic amount of sodium trifluoromethanesulfonate as a supporting electrolyte** pp 7383–7387

Nobuo Tanaka, Fumiaki Ohnishi, Daisuke Uchihata, Shigeru Torii and Junzo Nokami\*



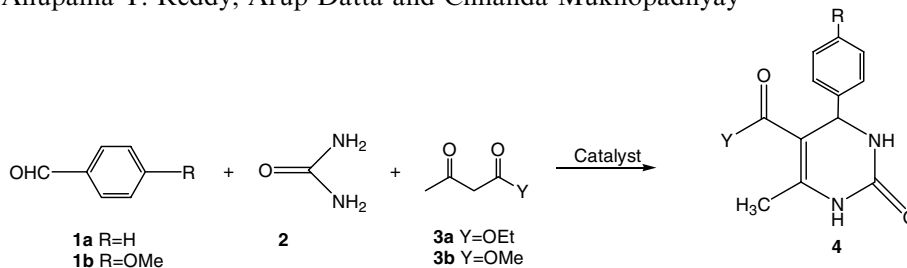
**Facile synthesis of 9-(arenethenyl)purines via Heck reaction of 9-vinylpurines and aryl halides** pp 7388–7391

Wei-Sheng Huang,\* Yihan Wang, Raji Sundaramoorthi, R. Mathew Thomas, David Wen, Shuangying Liu, Scott P. Lentini, Sasmita Das, Geetha Banda, Tomi K. Sawyer and William C. Shakespeare



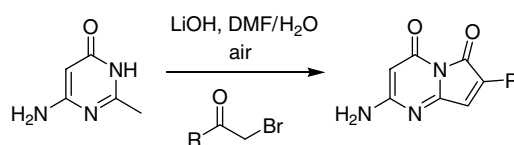
**Microwave-induced bismuth nitrate-catalyzed synthesis of dihydropyrimidones via Biginelli condensation under solventless conditions** pp 7392–7394

Bimal K. Banik,\* Anupama T. Reddy, Arup Datta and Chhanda Mukhopadhyay



**A cascade reaction sequence en route to 7-substituted 2-aminopyrrolo[1,2-a]pyrimidine-4,6-diones and the corresponding acrylic acid derivatives** pp 7395–7398

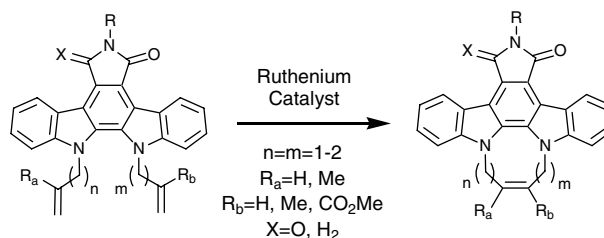
Ju Gao, Rodger F. Henry, Thomas G. Pagano, Richard W. Duerst and Andrew J. Souers\*



## Novel cycloalkene indole carbazole alkaloids via the ring closing metathesis reaction

pp 7399–7403

Lawrence J. Wilson,\* Cangming Yang and William V. Murray

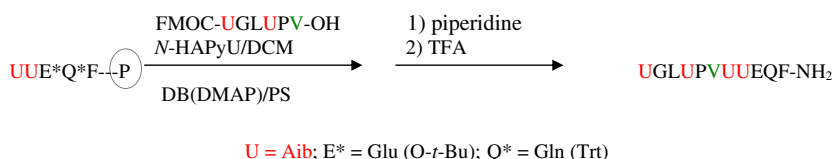


Methodology for the synthesis of cycloalkene indole carbazole natural product derivatives is presented. The methodology is applied to four-, five-, and six-membered rings in good to excellent yields and in as few as five steps. Eight examples are given with yields in the ring closing metathesis varying from 31% to 96%.

Segment coupling to a highly hindered N-terminal, alamethicin-related  $\alpha$ -aminoisobutyric acid (Aib) residue

pp 7404–7407

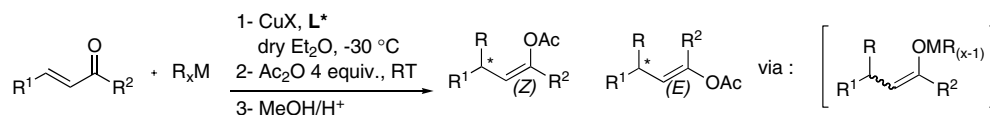
Louis A. Carpino,\* Adel Ali Abdel-Maksoud, E. M. E. Mansour and Mohamed A. Zewail



## Tandem asymmetric conjugate addition-enolacetates formation of enantiomerically enriched zinc and aluminium enolates

pp 7408–7412

Magali Vuagnoux-d'Augustin and Alexandre Alexakis\*

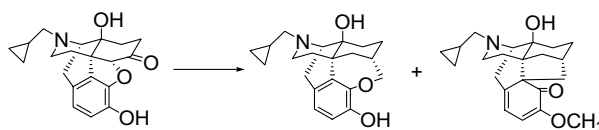


The metal enolates resulting from the copper-catalyzed asymmetric conjugate addition of Et<sub>2</sub>Zn or R<sub>3</sub>Al to cyclic and acyclic enones are quantitatively trapped as enolacetates with Ac<sub>2</sub>O.

## Synthesis of a novel 4,6'-epoxymorphinan derivative and a highly strained novel conjugated ketone

pp 7413–7417

Toru Nemoto, Hideaki Fujii, Noriko Sato and Hiroshi Nagase\*

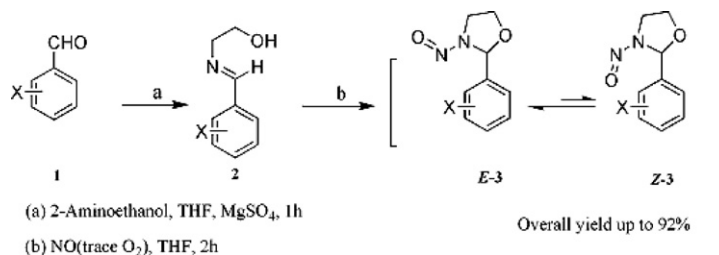


We synthesized a novel 7-membered ring ether derivative, which was linked by an OCH<sub>2</sub> group between the 4- and 6-position of morphinan skeleton and a highly strained novel conjugated ketone.

**N-Nitrosation of (*E*)-2-(benzylidene-amino)ethanols**

pp 7418–7421

Li-jun Peng, Zhong-quan Liu, Jian-tao Wang and Long-min Wu\*



Reaction of (*E*)-2-(benzylidene-amino)ethanol **2** with nitric oxide afforded an (*E*)-rotamer dominant mixture of (*E*)- and (*Z*)-*N*-nitroso-2-aryl-1,3-oxazolidine **3** at room temperature in good overall yields.

**OTHER CONTENT****Corrigendum**

p 7422

\*Corresponding author

Supplementary data available via ScienceDirect

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

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>



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