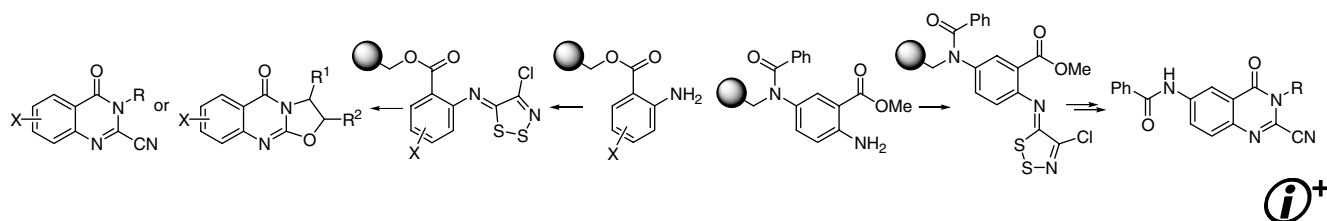


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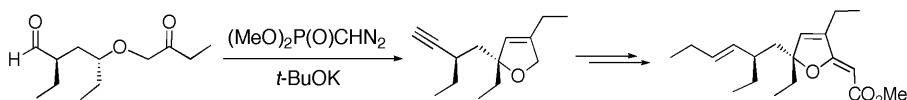
- Solid-phase synthesis of 2-cyanoquinazolin-4(3*H*)-one and 2,3-dihydrooxazolo[2,3-*b*]quinazolin-5-one derivatives utilizing resin-bound anthranilic acid derivatives** pp 7477–7481

Moon-Kook Jeon, Dong-Su Kim, Hyun Ju La, Deok-Chan Ha and Young-Dae Gong*



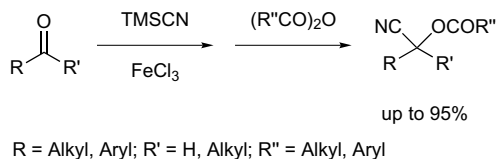
- Stereocontrolled synthesis of (±)-methyl 3,6-epoxy-4,6,8-triethyl-2,4,9-dodecatrienoate, a major metabolite of Caribbean sponge, *Plakortis halichondrioides*, using reactions of alkylidenecarbenes in one pot** pp 7483–7485

Megumi Akiyama, Yuichi Isoda, Masato Nishimoto, Aki Kobayashi, Daisuke Togawa, Nobuaki Hirao, Atsuhito Kuboki and Susumu Ohira*

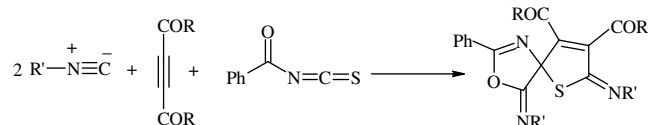


- An efficient and facile one-pot synthesis of cyanohydrin esters from carbonyl compounds catalyzed by iron(III) chloride** pp 7487–7490

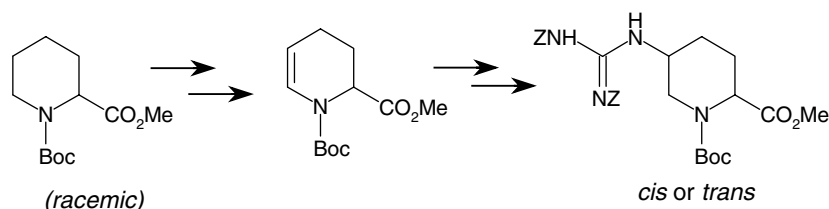
Katsuyuki Iwanami, Masaru Aoyagi and Takeshi Oriyama*



One-step synthesis of substituted 4,7-bis[alkyl(aryl)imino]-3-oxa-6-thia-1-azaspiro[4.4]nona-1,8-dienes pp 7491–7493
Issa Yavari* and Hoorieh Djahaniani

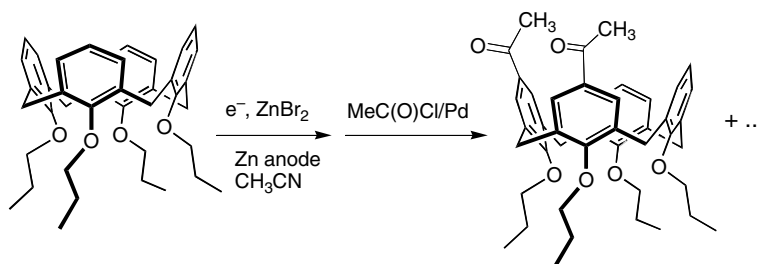


Synthesis of 5-substituted pipecolic acid derivatives as new conformationally constrained ornithine and arginine analogues pp 7495–7497
Laurent Le Corre and Hamid Dhimane*

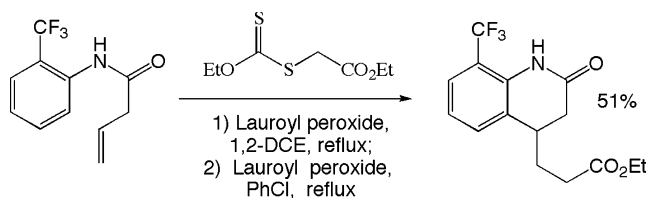


Two, orthogonally protected, constrained analogues of arginine have been synthesised in a diastereodivergent manner. The key step involved an electrophilic or radical functionalisation of methyl *N*-Boc-5,6-dehydropipecolate.

Formation of upper rim acylated calix[4]arenes using a sacrificial zinc anode pp 7499–7502
Alain Louati,* Rame Vataj, Valérie Gabelica, Manuel Lejeune and Dominique Matt*



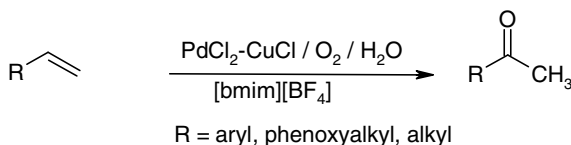
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Grégori Binot and Samir Z. Zard*



Wacker oxidation of terminal olefins in a mixture of [bmim][BF₄] and water

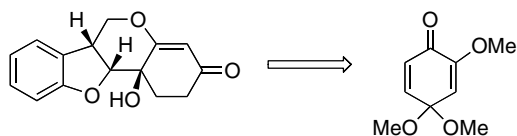
pp 7507–7510

I. A. Ansari,* Sipak Joyasawal, Manoj K. Gupta, J. S. Yadav and R. Gree*

**Phytochemical medicinal agents. A quinone-based route to pterocarpins**

pp 7511–7513

George A. Kraus* and Jingqiang Wei

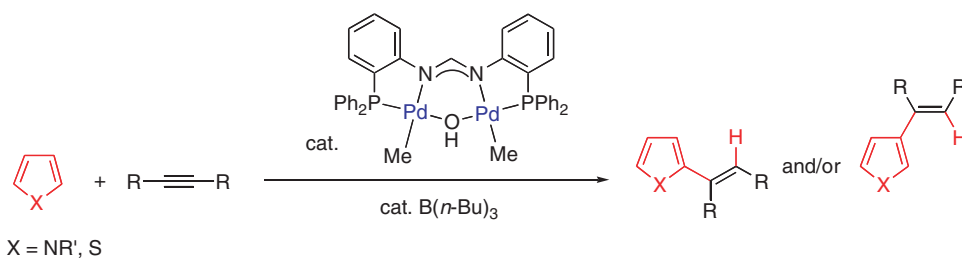


The synthesis of 6,9 di-demethoxy kushecarpin A has been achieved by the coupling of a benzofuran anion with a quinone monoketal followed by a regioselective cyclization and a stereoselective hydrogenation reaction.

Selective *cis*-addition of C–H bonds of pyrroles and thiophenes to alkynes catalyzed by a dinuclear palladium complex

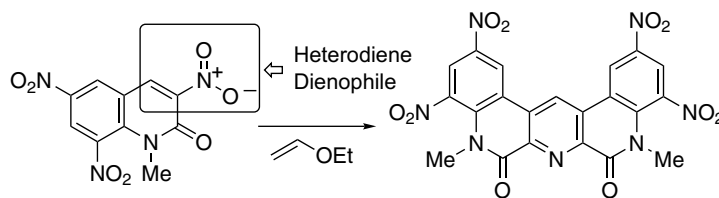
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Naofumi Tsukada,* Kazuko Murata and Yoshio Inoue

**The nitroalkene showing dual behaviors in the same reaction system**

pp 7519–7521

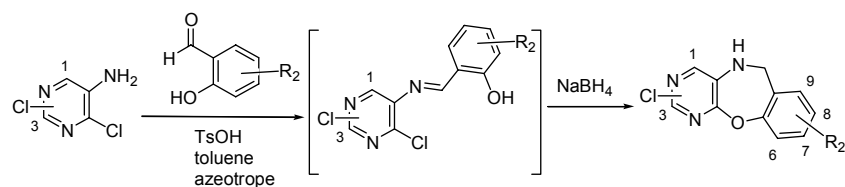
Motoki Asahara, Chika Shibano, Koichi Koyama, Mina Tamura, Yasuo Tohda, Nagatoshi Nishiwaki* and Masahiro Ariga*



Improved synthesis of functionalized 5,6-dihydro-pyrimido[4,5-*b*][1,4]oxazepines

pp 7523–7526

Yong-Jiang Xu, Hu Liu,* Weitao Pan, Xin Chen, Wai C. Wong and Marc Labelle

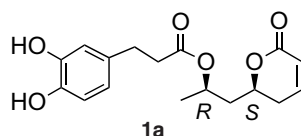


Novel synthetic approaches toward 5,6-dihydro-pyrimido[4,5-*b*][1,4]oxazepines were reported.

Asymmetric synthesis of all the stereoisomers of tarchonanthuslactone

pp 7527–7529

S. Baktharaman, S. Selvakumar and Vinod K. Singh*

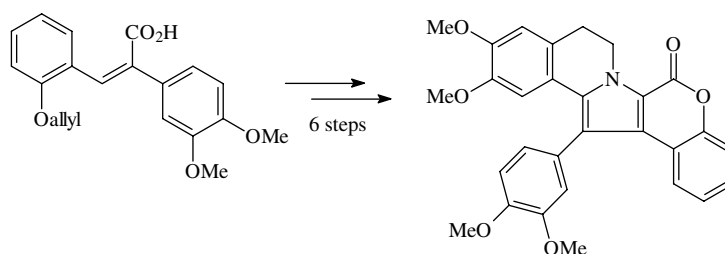


Tarchonanthuslactone

1,5-Electrocyclisation of azomethine ylides leading to pyrrolo[2,1-*a*]isoquinolines—concise construction of the lamellarin skeleton

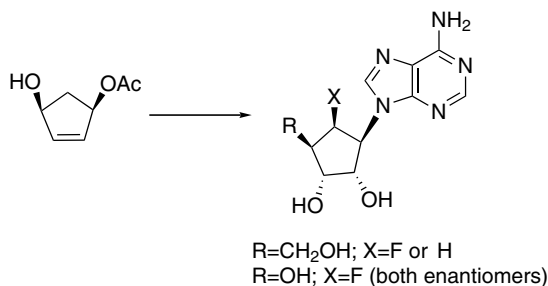
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Miklós Nyerges* and László Tóke

**Chiral syntheses of 6'-β-fluoroaristeromycin, 6'-β-fluoro-5'-noraristeromycin and aristeromycin**

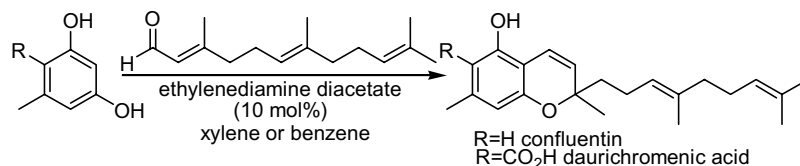
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Xue-qiang Yin and Stewart W. Schneller*



Efficient and general method for the synthesis of benzopyrans by ethylenediamine diacetate-catalyzed reactions of resorcinols with α,β -unsaturated aldehydes. One step synthesis of biologically active (\pm)-confluentin and (\pm)-daurichromenic acid pp 7539–7543

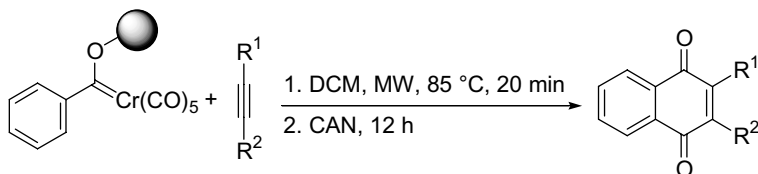
Yong Rok Lee,* Jung Hyun Choi and Sang Heum Yoon



An efficient and general synthesis of benzopyrans is achieved by ethylenediamine diacetate-catalyzed reactions of resorcinols with α,β -unsaturated aldehydes in moderated yields. As an application of this methodology, biologically interesting confluentin and daurichromenic acid are synthesized as one step reaction.

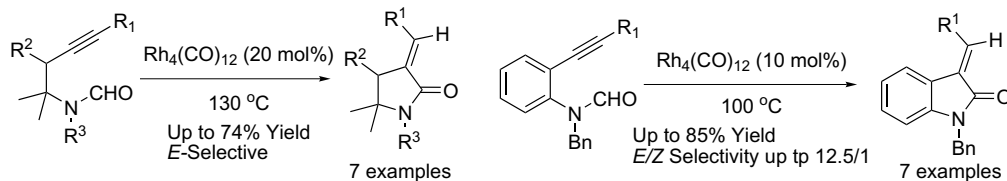
Microwave-assisted solid-phase Dötz benzannulation reaction: a facile synthesis of 2,3-disubstituted-1,4-naphthoquinones pp 7545–7548

Muthian Shanmugasundaram, Israel Garcia-Martinez, Qingyi Li, Abril Estrada, Nancy E. Martinez and Luis E. Martinez*



A convenient synthesis of (*E*)- α -alkylidene- γ -lactams and (*E*)-3-alkylideneoxindoles by rhodium-catalyzed intramolecular hydroamidation pp 7549–7552

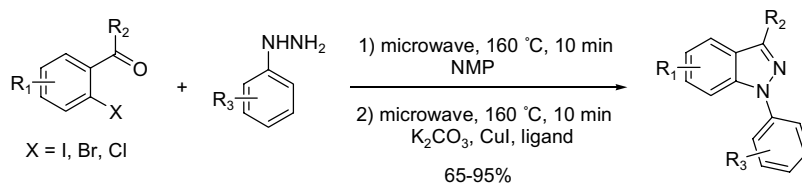
Yusuke Kobayashi, Haruhi Kamisaki, Kazuo Yanada, Reiko Yanada and Yoshiji Takemoto*



Intramolecular hydroamidation was achieved with high (*E*)-selectivity in the presence of Rh₄(CO)₁₂.

Microwave-assisted synthesis of 1-aryl-1*H*-indazoles via one-pot two-step Cu-catalyzed intramolecular *N*-arylation of arylhydrazones pp 7553–7557

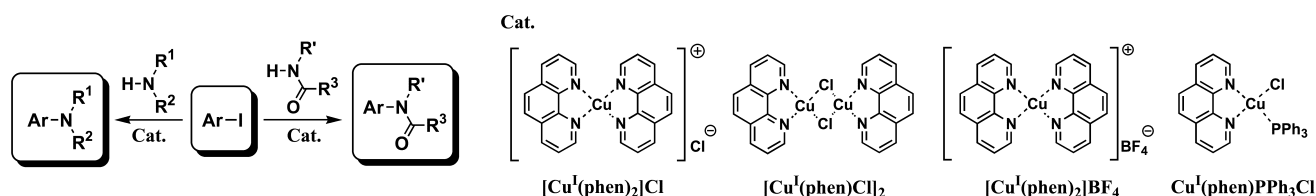
Chittari Pabba,* Hong-Jun Wang, Susan R. Mulligan, Zhen-Jia Chen, Todd M. Stark and Brian T. Gregg



Amination and amidation of aryl iodides catalyzed by copper(I)–phenanthroline complexes

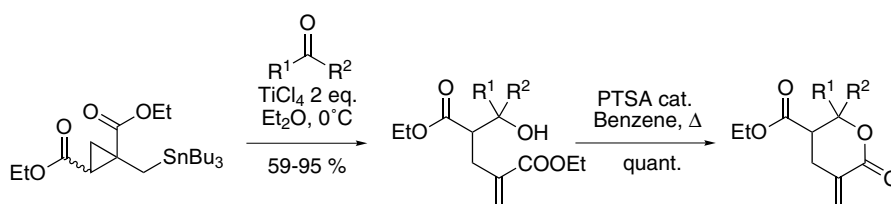
pp 7559–7562

Kazuyuki Moriwaki,* Kazuyoshi Satoh, Masahiro Takada, Yoshio Ishino and Toshinobu Ohno*


A new and rapid access towards *exo*-methylene- δ -valerolactones from (cyclopropyl)methylstannanes

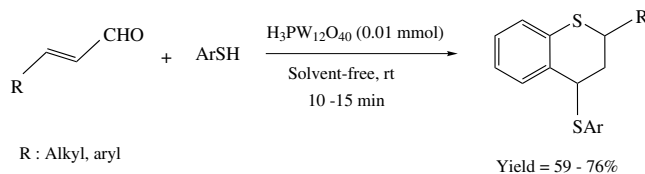
pp 7563–7566

Bernard Leroy


Solvent-free and room temperature synthesis of thiochromans in the presence of a catalytic amount of tungstophosphoric acid

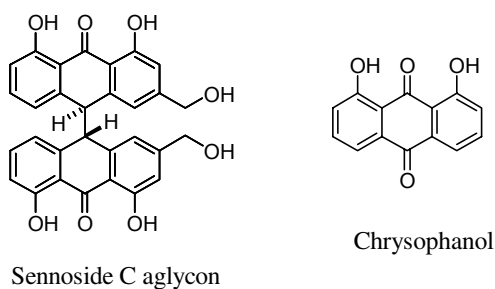
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Mohammad Jafarzadeh,* Kamal Amani and Farzad Nikpour


An efficient total synthesis of chrysophanol and the sennoside C aglycon

pp 7571–7573

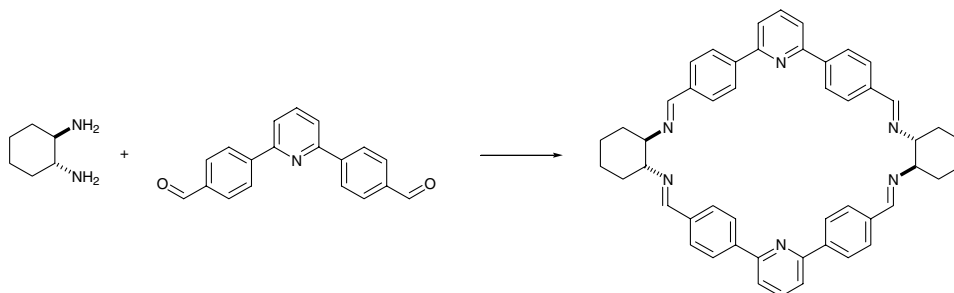
Nikolai Kuhnert* and Hoshiar Y. Molod



Synthesis of chiral nonracemic polyimine macrocycles from cyclocondensation reactions of biaryl and terphenyl aromatic dicarboxaldehydes and 1*R*,2*R*-diaminocyclohexane

pp 7575–7579

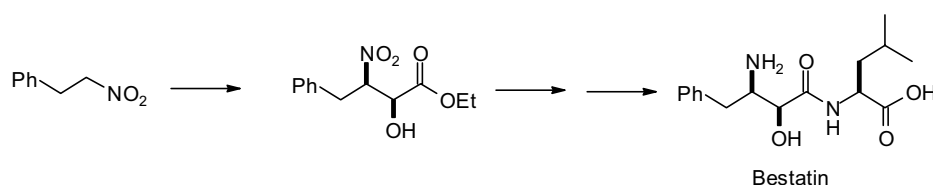
Nikolai Kuhnert,* Chirag Patel and Fatemeh Jami



A total synthesis of (–)-bestatin using Shibasaki's asymmetric Henry reaction

pp 7581–7582

Naminita Gogoi, Joshodeep Boruwa and Nabin C. Barua*

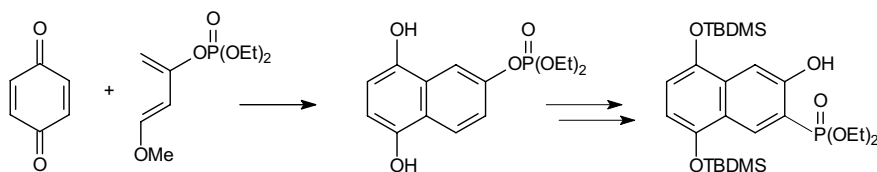


The potent aminopeptidase inhibitor (–)-bestatin has been synthesized in 26% overall yield. The key step is Shibasaki's asymmetric nitro-aldol reaction.

Synthesis of aromatic phosphates via cycloaddition of phosphate dienes

pp 7583–7587

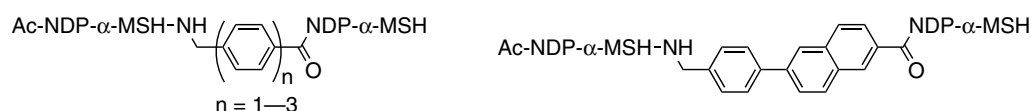
MeeKyoung Kim and David F. Wiemer*



Design, synthesis, and validation of rigid linkers for bioactive peptides

pp 7589–7592

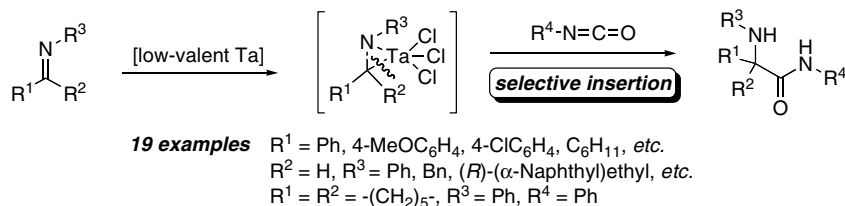
Yasunari Monguchi, Josef Vagner, Heather L. Handl, Umasish Jana, Lucinda J. Begay, Victor J. Hruba, Robert J. Gillies and Eugene A. Mash*



Convenient synthesis of α -amino amides using low-valent tantalum prepared from TaCl₅ and Zn

pp 7593–7595

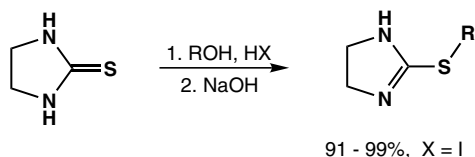
Haruka Shimizu and Shū Kobayashi*



Alkylation of ethylenethiourea with alcohols: a convenient synthesis of *S*-alkyl-isothiouras without toxic alkylating agents

pp 7597–7599

Michael K. Denk* and Xuan Ye



S-Alkyl isothiouras were obtained in high yields with alcohols replacing carcinogenic and toxic alkylating agents.

Aminomethylation of organic halides promoted by zinc in protic medium

pp 7601–7604

Idália H. S. Estevam, Margarete F. da Silva and Lothar W. Bieber*

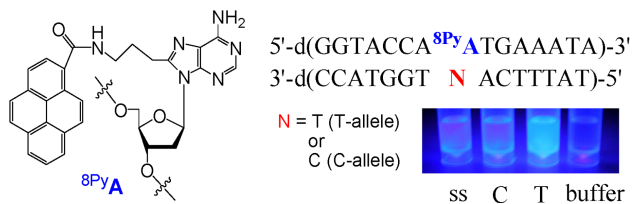


Zinc in protic medium promotes aminomethylation of organic halides via a radical process.

Synthesis and properties of purine-type base-discriminating fluorescent (BDF) nucleosides: distinction of thymine by fluorescence-labeled deoxyadenosine derivatives

pp 7605–7608

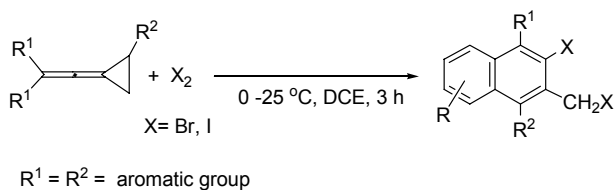
Yoshio Saito, Kazuo Hanawa, Kaori Motegi, Kenji Omoto, Akimitsu Okamoto and Isao Saito*



Ring-opening reactions of diarylvinyldenecyclopropanes by iodine and bromine

pp 7609–7613

Min Shi,* Ming Ma and Li-Xiong Shao

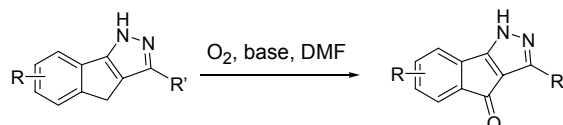


Diarylvinyldenecyclopropanes undergo a novel ring-opening reaction upon treatment with excess amounts of iodine or bromine to give the corresponding iodinated or brominated naphthalene derivatives in good to high yields within 3 h.

**A facile synthesis of antitumoral indeno[1,2-*c*]pyrazole-4-one by mild oxidation with molecular oxygen**

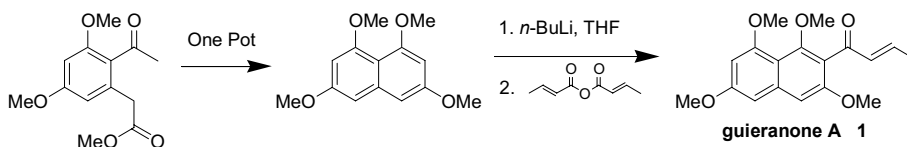
pp 7615–7618

Zhi-Fu Tao,* Thomas J. Sowin and Nan-Horng Lin

**A metalation strategy for the construction of functionalized naphthalenes: the first synthesis of guieranone A**

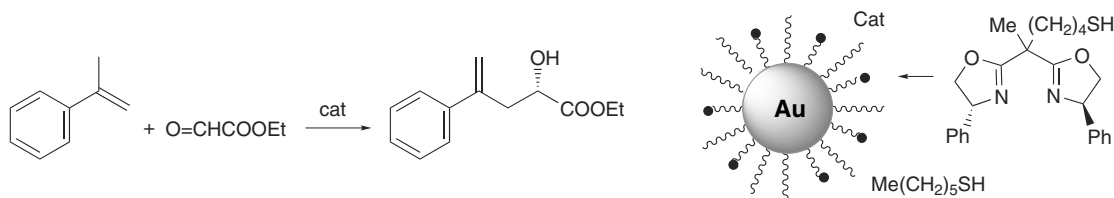
pp 7619–7621

Malcolm W. B. McCulloch and Russell A. Barrow*

**Reusable nano-sized chiral bisoxazoline catalysts**

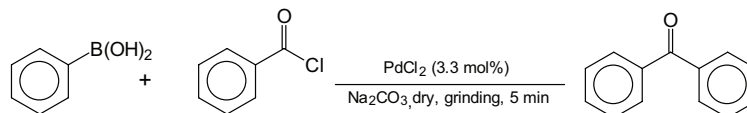
pp 7623–7626

Fumiyasu Ono, Shuji Kanemasa* and Junji Tanaka



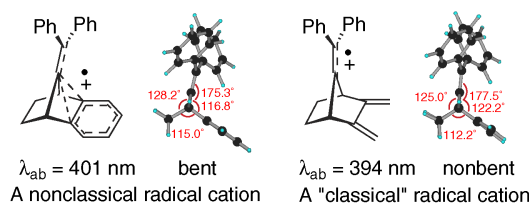
A rapid, solvent-free, ligandless and mild method for preparing aromatic ketones from acyl chlorides and arylboronic acids via a Suzuki–Miyaura type of coupling reaction pp 7627–7630

B. P. Bandgar* and A. V. Patil



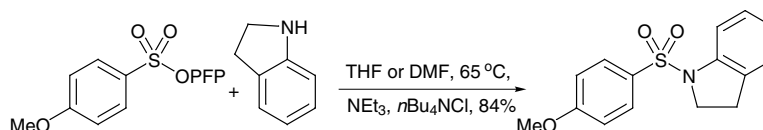
Spectroscopic and DFT studies of nonclassical and classical radical cations of 7-benzhydrylidenenorbornene analogues: contrasting molecular geometry and electronic structures originating from the different patterns of electronic coupling pp 7631–7635

Hiroshi Ikeda,* Hayato Namai and Takashi Hirano



Rate enhancement of PFP sulfonate ester aminolysis by chloride salts in organic and aqueous media pp 7637–7640

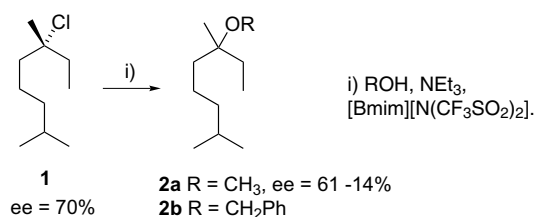
Jonathan D. Wilden,* Duncan B. Judd and Stephen Caddick



A method of accelerating the rate of aminolysis of PFP sulfonates to yield sulfonamides using tetrabutylammonium salts is described. We demonstrate the advantages of combining the existing methodology with a revised protocol which allows the diversity within both the sulfonate ester and the amine to be extended.

Substitution reactions in ionic liquids. A kinetic study pp 7641–7645

Bradley Y. W. Man, James M. Hook and Jason B. Harper*



The effect of ionic liquid concentration on the rate and the enantiomeric excess of a substitution reaction is investigated and discussed.

Benzo[1,2,5]selenadiazole bridged amines: electro-optical properties

pp 7647–7651

Marappan Velusamy, K. R. Justin Thomas, Jiann T. Lin* and Yuh S. Wen



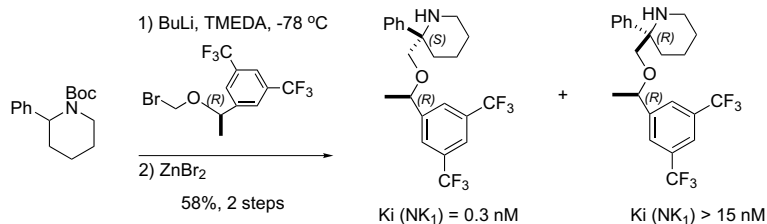
New diamines and tetramines bridged by an electron-deficient chromophore benzo[1,2,5]selenadiazole were synthesized.

Selective benzylic lithiation of *N*-Boc-2-phenylpiperidine and pyrrolidine: expedient synthesis of a 2,2-disubstituted piperidine NK₁ antagonist

pp 7653–7656

Dong Xiao,* Brian J. Lavey,* Anandan Palani, Cheng Wang, Robert G. Aslanian, Joseph A. Kozlowski, Neng-Yang Shih, Andrew T. McPhail, Gerard P. Randolph, Jean E. Lachowicz and Ruth A. Duffy

Boc-phenyl piperidine and Boc-phenyl pyrrolidine are selectively lithiated at the 2-position and trapped with a variety of electrophiles. The chemistry is used to make a sub-nanomolar inhibitor of the human neurokinin 1 receptor.

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*Corresponding author

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