

Tetrahedron Letters Vol. 49, No. 39, 2008

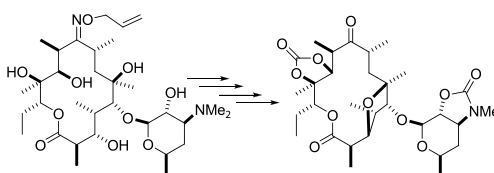
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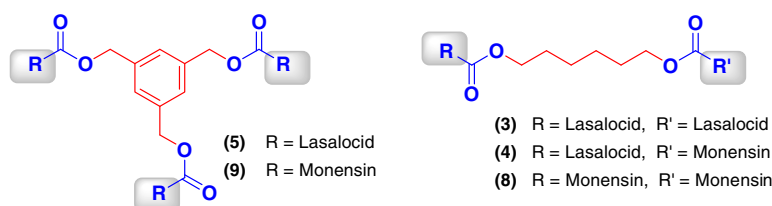
Audun Heggelund, Kjell Undheim *



Synthesis of new semi-synthetic dipodands and tripodands from naturally occurring polyether ionophores

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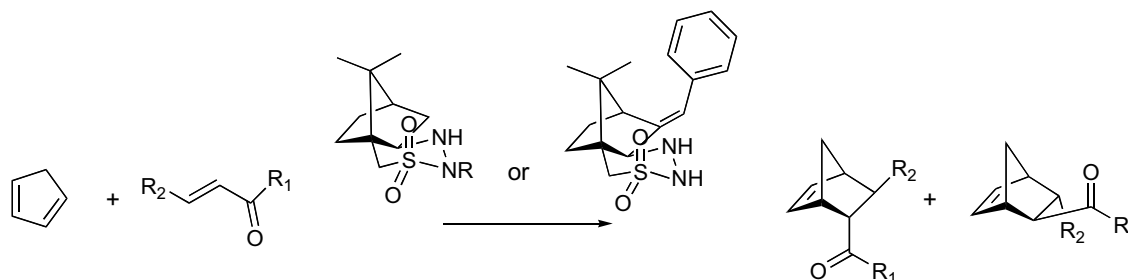
Adam Huczynski, Agata Domańska, Izabela Paluch, Joanna Stefańska, Bogumil Brzezinski *, Franz Bartl



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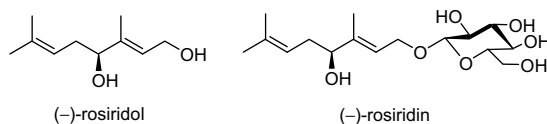
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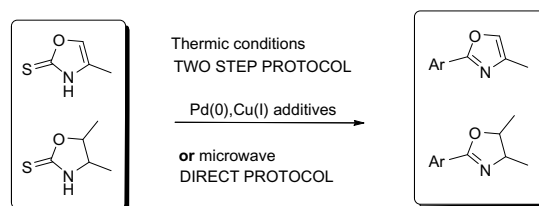
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Elisabeth Schöttner, Kristina Simon, Manuel Friedel, Peter G. Jones, Thomas Lindel *

**1,3-Oxazoline- and 1,3-oxazolidine-2-thiones as substrates in direct modified Stille and Suzuki cross-coupling**

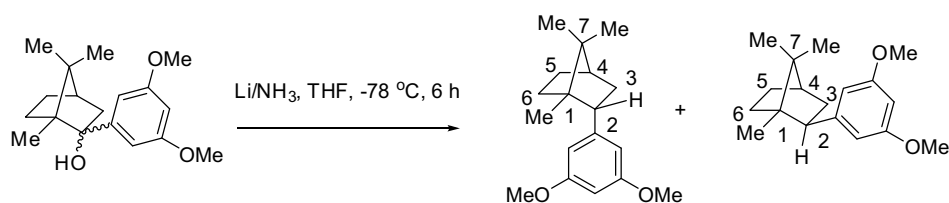
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Sandrina Silva, Sébastien Tardy, Sylvain Routier, Franck Suzenet, Arnaud Tatibouët *, Amelia P. Rauter, Patrick Rollin

**Synthesis and characterization of 2-substituted bornane pharmacophores for novel cannabinergic ligands**

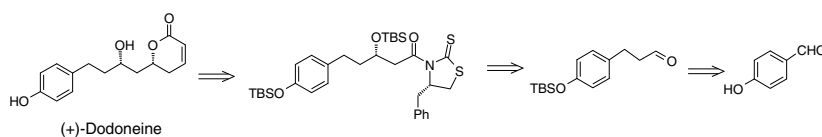
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Richard I. Duclos Jr., Dai Lu, Jianxin Guo, Alexandros Makriyannis *

**First stereoselective total synthesis of (+)-dodoneine**

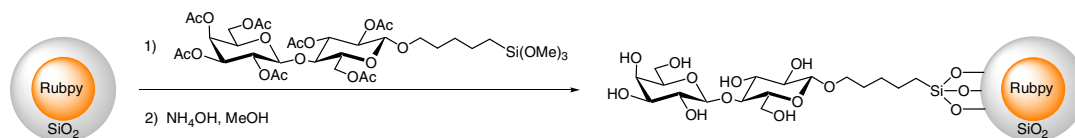
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P. Srihari *, G. Rajendar, R. Srinivasa Rao, J. S. Yadav

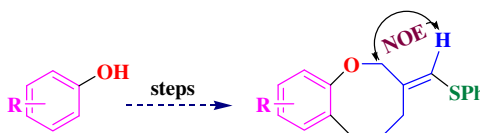


Synthesis and lectin-binding activity of luminescent silica particles peripherally functionalized with lactose

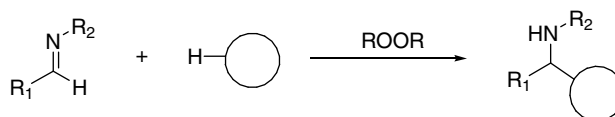
pp 5593–5596

Ken Hatano ^{*}, Tetsuya Yamazaki, Koji Yoshino, Naoto Ohya, Tetsuo Koyama, Koji Matsuoka, Daiyo Terunuma**Thiophenol-mediated intramolecular radical cyclization: an efficient method for the synthesis of benzoxocine derivatives**

pp 5597–5600

Krishna C. Majumdar ^{*}, K. Ray, P. Debnath, P. K. Maji, N. Kundu**Peroxide-mediated efficient addition of cycloalkanes to imines**

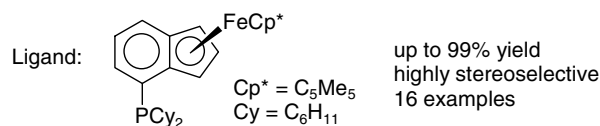
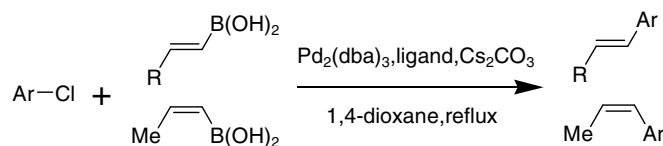
pp 5601–5604

Guojun Deng, Chao-Jun Li ^{*}

A novel direct addition of cycloalkanes to imines mediated by peroxide was developed. The reaction tolerates a wide range of functionalities as well as aqueous conditions.

Palladium-catalyzed cross-coupling of aryl chlorides with alkenylboronic acids with low *E/Z* isomerization

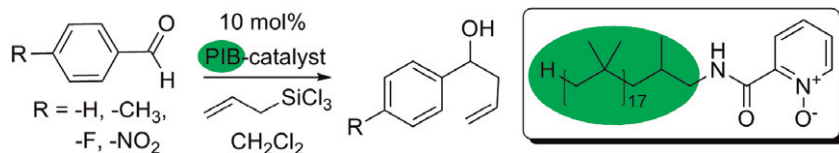
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Muralidhara Thimmaiah, Xiang Zhang, Shiyue Fang ^{*}

Recyclable polyisobutylene-supported pyridyl N-oxide allylation catalysts

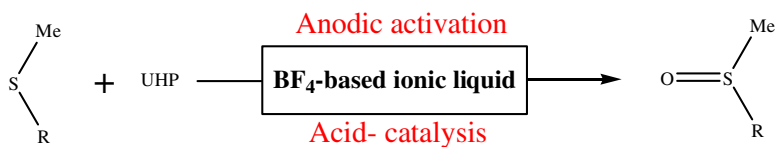
pp 5608–5610

David E. Bergbreiter *, Denisse Ortiz-Acosta


Electro- and acid-catalysis in tetrafluoroborate-based ionic liquid: new alternative routes for the oxidation of sulfides with UHP

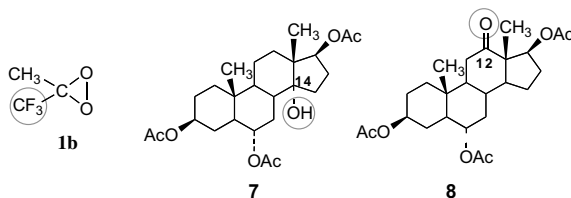
pp 5611–5613

Laura Palombi *, Carmen Bocchino, Tonino Caruso, Rosaria Villano, Arrigo Scettri


Oxidation of natural targets by dioxiranes. Part 6: on the direct regio- and site-selective oxyfunctionalization of estrone and of 5 α -androstane steroid derivatives

pp 5614–5617

Lucia D'Accolti, Caterina Fusco, Giuditta Lampignano, Francesco Capitelli, Ruggero Curci *

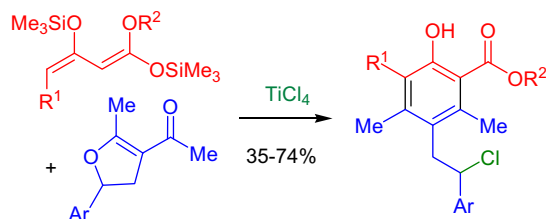


Methyl(trifluoromethyl)dioxirane (**1b**) was employed to achieve under mild conditions the regio- and site selective *direct* synthesis of new oxyfunctionalized steroids **7** and **8**.


Synthesis of 5-(2-aryl-2-haloethyl)salicylates by the first domino '[3+3] cyclization/ring-cleavage' reactions of 1,3-bis(silyloxy)-1,3-butadienes with 3-acetyl-5-aryl-4,5-dihydrofurans

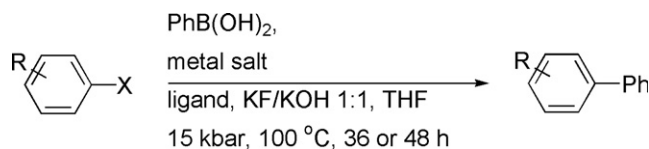
pp 5618–5619

Matthias Lau, Peter Langer *



Palladium-free Suzuki–Miyaura cross-coupling at elevated pressures

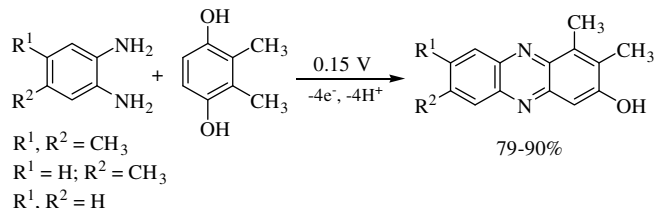
pp 5620–5621

Yanhe Guo, David J. Young ^{*}, T. S. Andy Hor

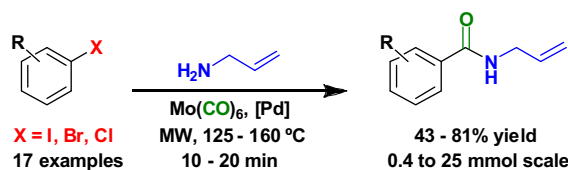
Elevated pressure (15 kbar) in the liquid phase improves yields and permits the use of cheaper Fe(III), Co(II), and Ni(II) metal salts as catalysts for the Suzuki–Miyaura cross-coupling of aryl halides and aryl boronic acids.

A facile electrochemical method for the synthesis of phenazine derivatives via an ECECC pathway

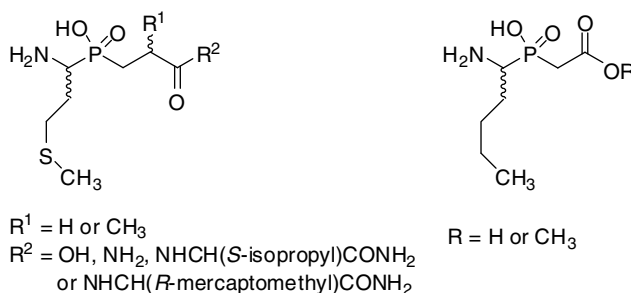
pp 5622–5624

Saied Saeed Hosseiny Davarani ^{*}, Ali Reza Fakhari, Ahmad Shaabani, Hamid Ahmar, Ali Maleki, Neda Sheijooni Fumani**Microwave-assisted, Mo(CO)₆-mediated, palladium-catalyzed amino-carbonylation of aryl halides using allylamine: from exploration to scale-up**

pp 5625–5628

Prasad Appukkuttan, Linda Axelsson, Erik Van der Eycken, Mats Larhed ^{*}**Synthesis of methionine- and norleucine-derived phosphinopeptides**

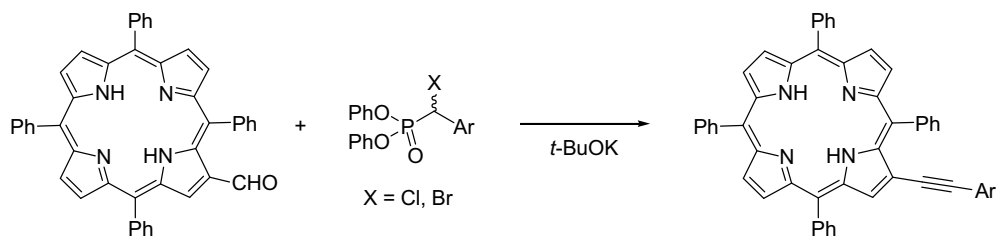
pp 5629–5631

Radek Liboska, Jan Pícha, Ivona Hančlová, Miloš Buděšínský, Miloslav Šanda, Jiří Jiráček ^{*}

An alternative synthesis of β -pyrrolic acetylene-substituted porphyrins

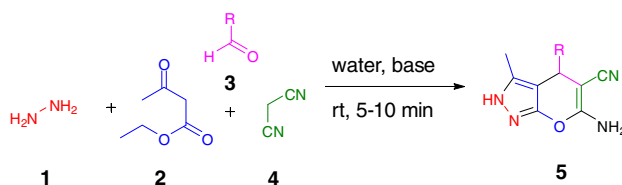
pp 5632–5635

Adam W. I. Stephenson, Pawel Wagner, Ashton C. Partridge*, Kenneth W. Jolley, Vyacheslav V. Filichev, David L. Officer

**Rapid four-component reactions in water: synthesis of pyranopyrazoles**

pp 5636–5638

Gnanasambandam Vasuki*, Kandhasamy Kumaravel

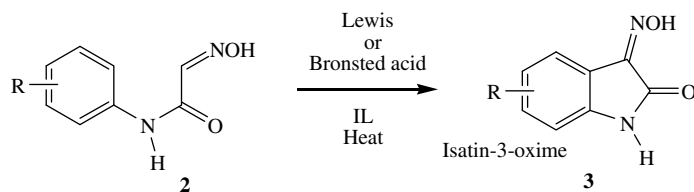


An environmentally benign four-component reaction in aqueous medium at room temperature has been developed for the synthesis of 6-amino-5-cyano-3-methyl-4-aryl/heteroaryl-2H,4H-dihydropyrano[2,3-c]pyrazoles.

Pronounced ionic liquid effect in the synthesis of biologically active isatin-3-oxime derivatives under acid catalysis

pp 5639–5641

Angelo C. Pinto*, Alexandre A. Moreira Lapis, Barbara Vasconcelos da Silva, Renato S. Bastos, Jairton Dupont, Brenno A. D. Neto*

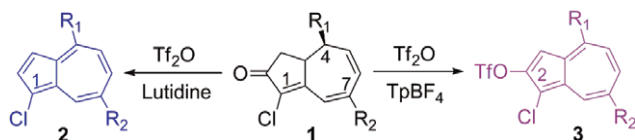


Isatin-3-oximes derivatives were efficiently prepared in imidazolium-based ionic liquids under acid catalysis conditions.

Direct aromatization of chlorohydroazulenones with triflic anhydride: access to chloroazulenyl triflates

pp 5642–5644

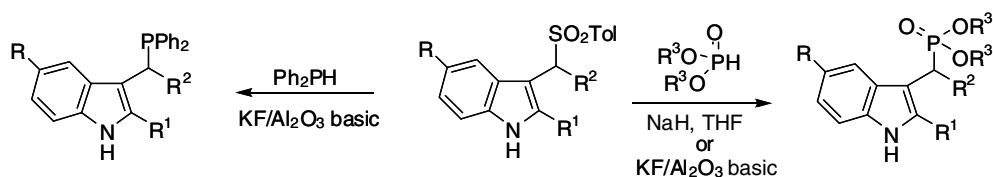
Sébastien Carret, Jean-Pierre Deprés*



1-Chloroazulenes **2** and 1-chloroazulen-2-yl triflates **3** are directly synthesized from α -chlorotrienones **1** which are obtained by a [2+2] cycloaddition/ring expansion/elimination sequence on cycloheptatrienes.

Synthesis of indolylalkylphosphonates and 3-(1-diphenylphosphinoalkyl) indoles by reaction of 3-(1-arylsulfonylalkyl) indoles with phosphorus derivatives

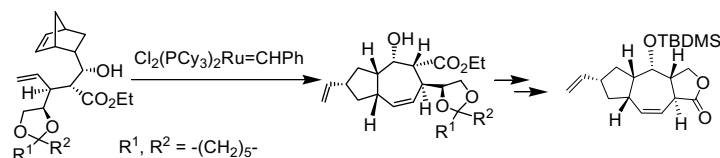
pp 5645–5648

Marino Petrini ^{*}, Rafik R. Shaikh

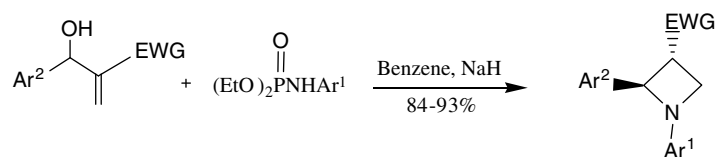
Dialkyl phosphites as well as diphenylphosphine react with 3-(1-arylsulfonylalkyl) indoles under basic conditions leading to a formal substitution of the arylsulfonyl group through a reactive 3-alkylidene indole intermediate.

A novel asymmetric approach to a densely functionalized lactarane ring system through a domino ring opening–ring closing metathesis of a norbornene derivative

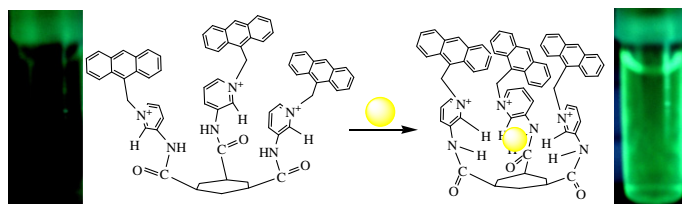
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Sujit Mondal, Chanchal K. Malik, Subrata Ghosh ^{*}
The first application of the Baylis–Hillman reaction in azetidine chemistry: a convenient synthesis of azetidine-3-carbonitriles/carboxylates

pp 5652–5654

Lal Dhar S. Yadav ^{*}, Vishnu P. Srivastava, Rajesh Patel
A novel amidepyridinium-based tripodal fluorescent chemosensor for phosphate ion via binding-induced excimer formation

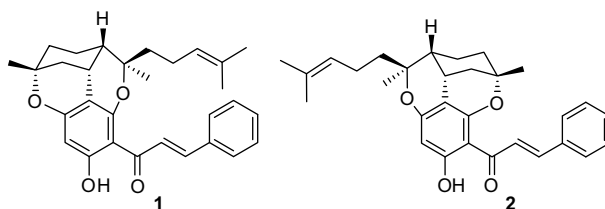
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Wei-tao Gong ^{*}, Kazuhisa Hiratani ^{*}

A pair of unique sesquiterpene–chalcone conjugates isolated from the seeds of *Alpinia katsumadai*

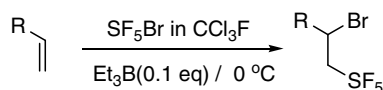
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Shu-Zhen Hua, Xiao-Bing Wang, Jian-Guang Luo, Jun-Song Wang, Ling-Yi Kong *

**Improved and facile addition reactions of pentafluorosulfanyl bromide**

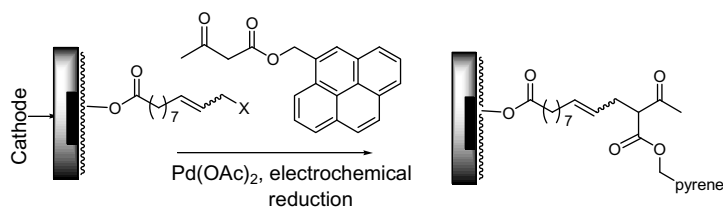
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Dong Sung Lim, Silvana C. Ngo, Sankar G. Lal, Kristen E. Minnich, John T. Welch *

**Building addressable libraries: a site-selective allyl alkylation reaction**

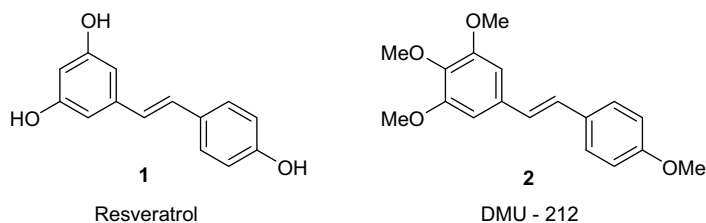
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Jun Tian, Karl Maurer, Kevin D. Moeller *

**Heck arylation of styrenes with arenediazonium salts: short, efficient, and stereoselective synthesis of resveratrol, DMU-212, and analogues**

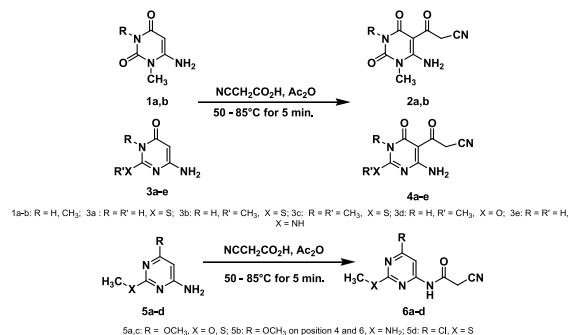
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Angélica Venturini Moro, Flávio Segal P. Cardoso, Carlos Roque D. Correia *

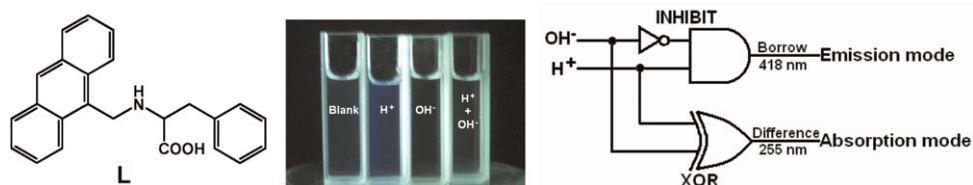


C- and N-cyanoacetylation of 6-aminopyrimidines with cyanoacetic acid and acetic anhydride

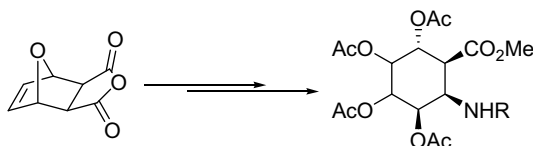
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Jairo Quiroga ^{*}, Jorge Trilleras, Jaime Gálvez, Braulio Insuasty, Rodrigo Abonía, Manuel Noguera ^{*}, Justo Cobo, Antonio Marchal**A molecular half-subtractor based on a fluorescence and absorption dual-modal sensor for copper ions**

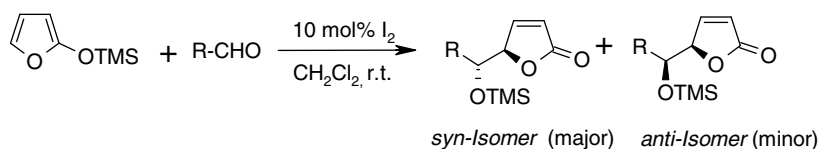
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Guoqiang Zong, Gongxuan Lu ^{*}The complex CuL₂ can be employed to construct a molecular half-subtractor by observing simultaneously at the emission and absorption modes.**Stereoselective synthesis of 3,4,5,6-tetrahydroxycyclohexyl β-amino acid derivatives**

pp 5680–5682

Joshua Chola, Ishmael B. Masane ^{*}**Iodine as a mild and efficient catalyst for the diastereoselective synthesis of δ-silyloxy-γ-lactones**

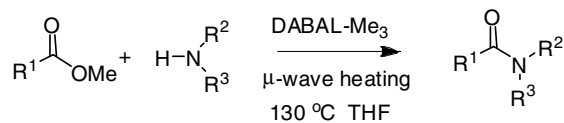
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J. S. Yadav ^{*}, B. V. Subba Reddy, G. Narasimhulu, G. Satheesh

Microwave acceleration in DABAL-Me₃-mediated amide formation

pp 5687–5688

Daniel Glynn, David Bernier, Simon Woodward *

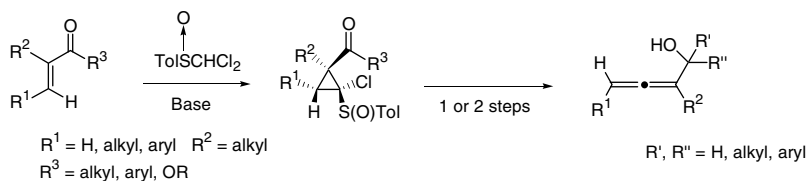


Microwave heating makes the direct formation of tertiary amides from esters a facile process using the air stable trimethylaluminium source DABAL-Me₃ [(DABCO)(AlMe₃)₂].

**A short synthesis of α -allenic alcohols from α,β -unsaturated carbonyl compounds with dichloromethyl *p*-tolyl sulfoxide**

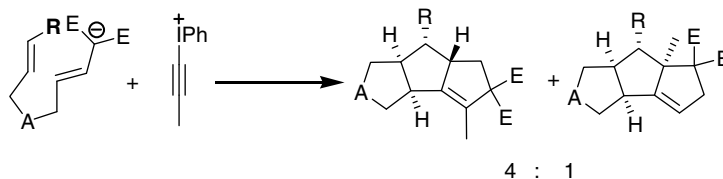
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Tsuyoshi Satoh *, Takafumi Noguchi, Toshifumi Miyagawa

**Cycloaddition reactions of trimethylenemethane diyls generated from alkynyl iodonium salts**

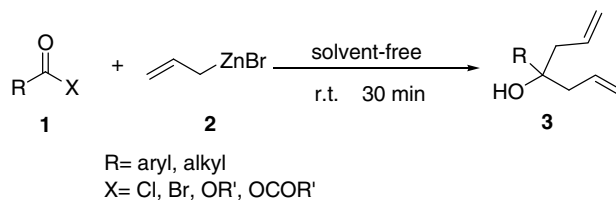
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Hee-Yoon Lee *, Yeokwon Yoon, Yeon-Hee Lim, Yonghan Lee

**Solvent- and catalyst-free *gem*-bisallylation of carboxylic acid derivatives with allylzinc bromide**

pp 5697–5699

Yu-Juan Wei, Heng Ren, Jin-Xian Wang *



*Corresponding author

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