

Tetrahedron Letters Vol. 50, No. 33, 2009

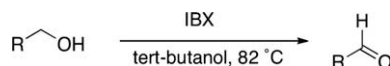
Contents

COMMUNICATIONS

2-Methyl-2-propanol as solvent for *o*-iodoxybenzoic acid (IBX) oxidation of 1° alcohols to aldehydes

pp 4693–4695

Scott A. Van Arman *



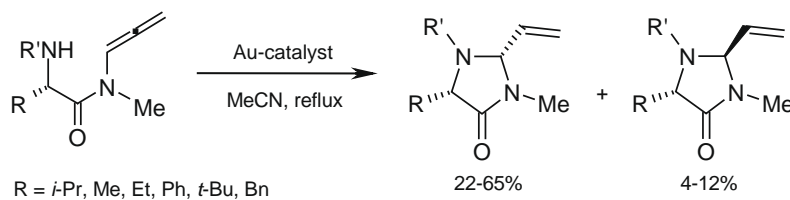
2-Methyl-2-propanol has been demonstrated to be an effective solvent for IBX oxidation of 1° alcohols to the corresponding aldehydes. This may prove particularly useful when a hydroxylic solvent is required for dissolution of the alcohol.



Gold-catalyzed intramolecular hydroamination of α -amino allenamides as a route to enantiopure 2-vinylimidazolidinones

pp 4696–4699

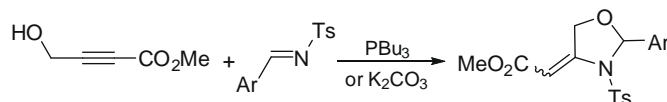
Angelo M. Manzo *, Alcide D. Perboni, Gianluigi Brogini *, Micol Rigamonti



A facile synthesis of 4-methylene-1,3-oxazolidines from γ -hydroxybutynoate and *N*-tosylimines

pp 4700–4702

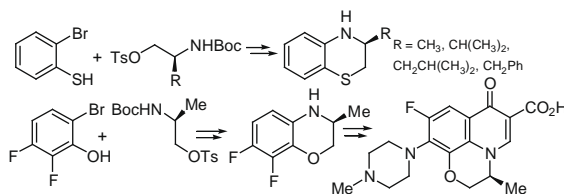
Nicolas Fleury-Brégeot, Arnaud Voituriez, Pascal Retailleau, Angela Marinetti *



A convenient synthesis of chiral amino acid derived 3,4-dihydro-2H-benzo[*b*][1,4]thiazines and antibiotic levofloxacin

pp 4703–4705

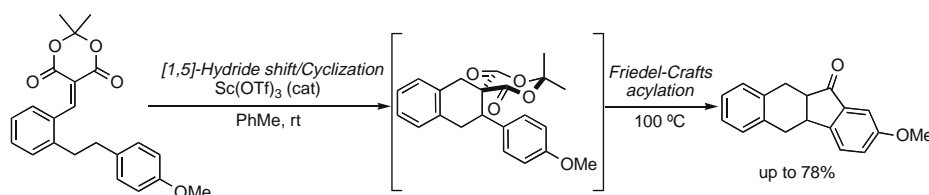
Maloy Kumar Parai, Gautam Panda *



Functionalization of Csp³-H bond—Sc(OTf)₃-catalyzed domino 1,5-hydride shift/cyclization/Friedel-Crafts acylation reaction of benzylidene Meldrum's acids

pp 4706–4709

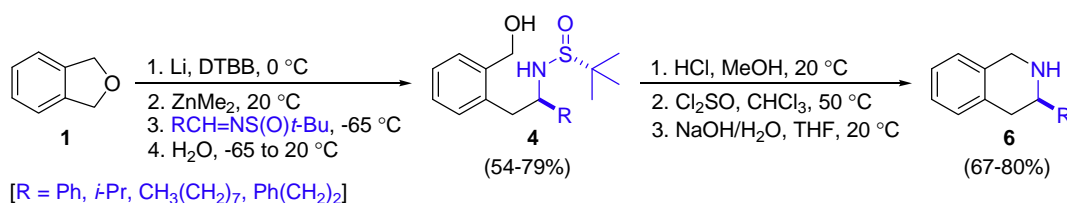
Stuart J. Mahoney, David T. Moon, Jon Hollinger, Eric Fillion *



Stereoselective synthesis of 3-substituted tetrahydroisoquinolines from phthalan and chiral *N*-sulfinylimines

pp 4710–4713

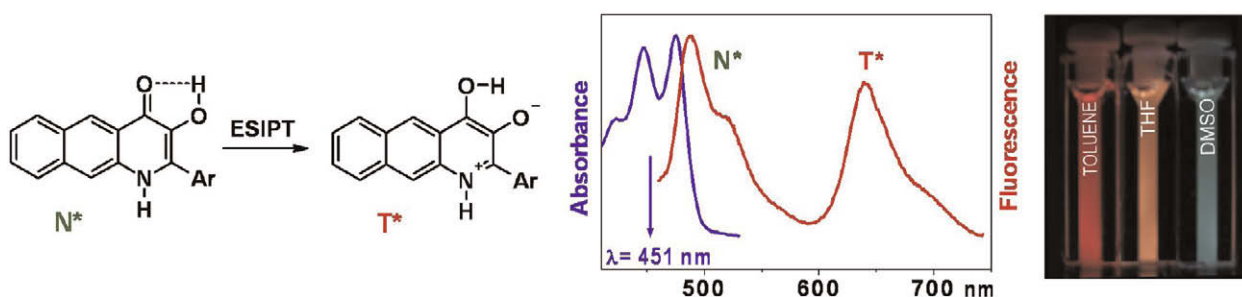
Daniel García, Benjamín Moreno, Tatiana Soler, Francisco Foubelo *, Miguel Yus *



3-Hydroxybenzo[*g*]quinolones: dyes with red-shifted absorption and highly resolved dual emission

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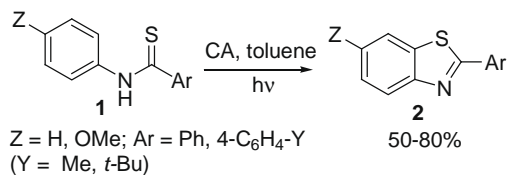
Mykhailo D. Bilokin *, Volodymyr V. Shvadchak, Dmytro A. Yushchenko, Andrey S. Klymchenko, Guy Duportail, Yves Mely, Vasyl G. Pivovarenko *



Photochemical cyclization of thioformanilides by chloranil: An approach to 2-substituted benzothiazoles

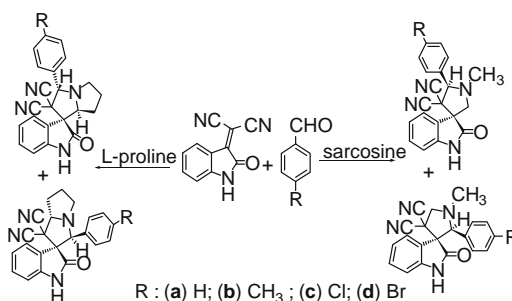
pp 4720–4723

Valentina Rey, Silvia M. Soria-Castro, Juan E. Argüello, Alicia B. Peñeñory *

**Synthesis of novel spiropyrrolidine/pyrrolizine-oxindole scaffolds through 1,3-dipolar cycloadditions**

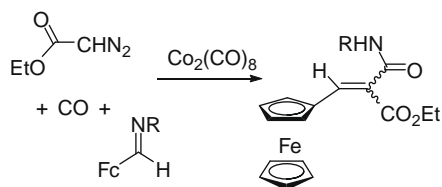
pp 4724–4726

Mehdi Ghandi *, Ahmad Yari, Seyed Jamal Tabatabaei Rezaei, Abuzar Taheri

**Co₂(CO)₈-induced domino reactions of ethyl diazoacetate, carbon monoxide and ferrocenylimines leading to 2-(1-ferrocenyl-methylidene)-malonic acid derivatives**

pp 4727–4730

János Balogh, Tamás Kégl, Ferenc Ungváry, Rita Skoda-Földes *

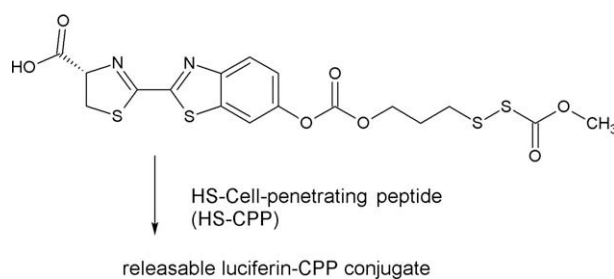


A domino reaction led to the *E*- and *Z*-isomers of novel ferrocenyl α,β -unsaturated amides. The selectivity of the reaction is shown to depend greatly on the nature of the substituent on the nitrogen atom.

An improved synthesis of releasable luciferin–CPP conjugates

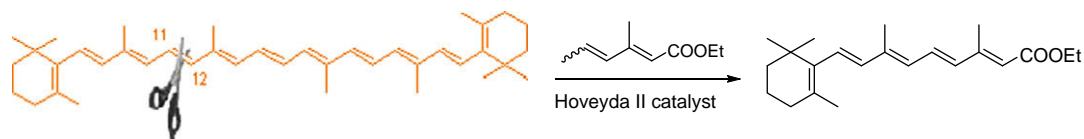
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Emelía Eiríksdóttir, Úlo Langel, Katri Rosenthal-Aizman *

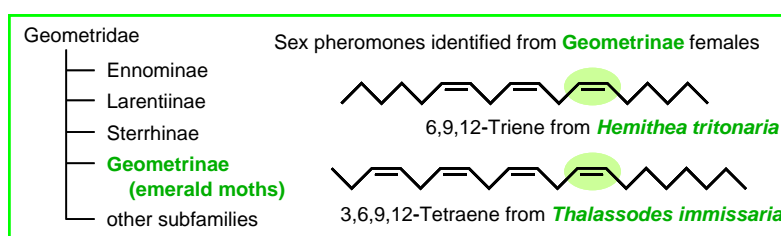


Cross metathesis of β -carotene with electron-deficient dienes. A direct route to retinoids

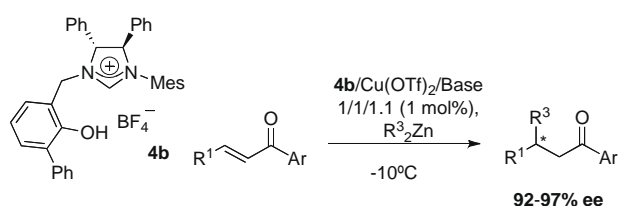
pp 4734–4737

Agnieszka Wojtkielewicz^{*}, Jadwiga Maj, Jacek W. Morzycki**(6Z,9Z,12Z)-6,9,12-Octadecatriene and (3Z,6Z,9Z,12Z)-3,6,9,12-icosatetraene, the novel sex pheromones produced by emerald moths**

pp 4738–4740

Rei Yamakawa, Nguyen Duc Do, Yasushi Adachi, Masakatsu Kinjo, Tetsu Ando^{*}**Construction of a new type of chiral bidentate NHC ligands: copper-catalyzed asymmetric conjugate alkylation**

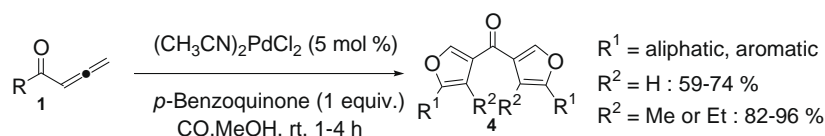
pp 4741–4743

Tatsuya Uchida, Tsutomu Katsuki^{*}

Newly designed bidentate NHC **4** bearing an achiral coordinating appendage at N1 was found to be an efficient chiral ligand for the copper-catalyzed conjugate addition of dialkylzinc to acyclic enones (up to 97% ee).

Palladium(II) catalyzed carbonylative dimerization of allenyl ketones: efficient synthesis of difuranylketones

pp 4744–4746

Keisuke Kato^{*}, Tomoyuki Mochida, Hiroyuki Takayama, Masayuki Kimura, Hiroshi Moriyama, Akihito Takeshita, Yuichiro Kanno, Yoshio Inouye, Hiroyuki Akita^{*}

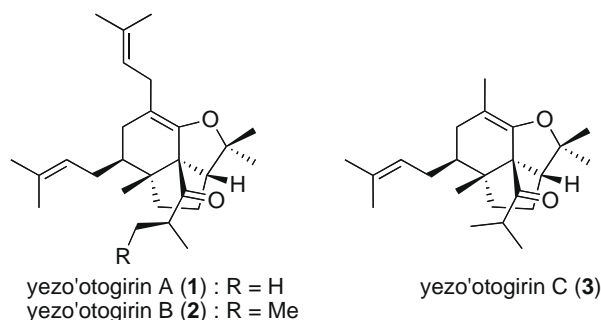
Palladium(II) catalyzed carbonylation of 1,2-allenyl ketones **1** in the presence of *p*-benzoquinone (1 equiv) under CO atmosphere (balloon) afforded difuranylketones **4** in moderate to good yields. The electron-withdrawing nature of the acyl group should enhance the electrophilicity of the acylpalladium intermediate, and thus promote the oxypalladation of an additional molecule of **1**, leading to the difuranyl ketone **4**.



Yezo'otogirins A–C, new tricyclic terpenoids from *Hypericum yezoense*

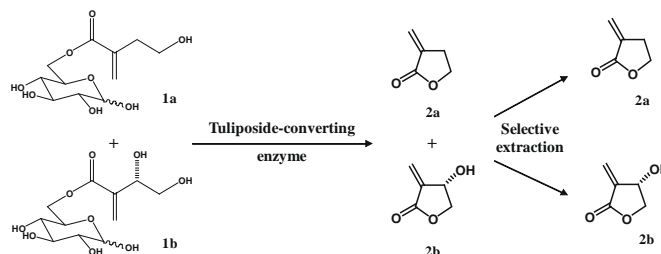
pp 4747–4750

Naonobu Tanaka, Yuka Kakuguchi, Haruaki Ishiyama, Takaaki Kubota, Jun'ichi Kobayashi *

**A facile method for the preparation of α -methylene- γ -butyrolactones from tulip tissues by enzyme-mediated conversion**

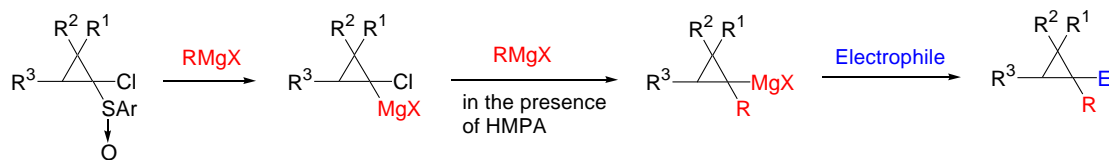
pp 4751–4753

Yasuo Kato *, Hiroyuki Yoshida, Kazuaki Shoji, Yukio Sato, Noriyuki Nakajima, Shinjiro Ogita

A facile preparation of α -methylene- γ -butyrolactone (tulipalin) by enzyme-mediated conversion of 6-tuliposide and selective extraction has been developed.**Substitution of both chloro and sulfinyl groups of aryl 1-chlorocyclopropyl sulfoxides in one-pot via cyclopropylmagnesium carbenoids: a synthesis of multi-substituted cyclopropanes**

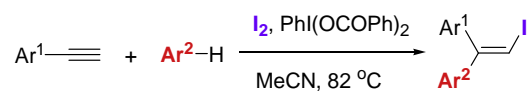
pp 4754–4758

Masanobu Yajima, Ryo Nonaka, Hironori Yamashita, Tsuyoshi Satoh *

**Regio- and stereoselective iodoarylation of arylacetylenes using molecular iodine promoted by hypervalent iodine**

pp 4759–4761

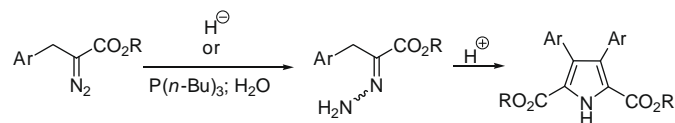
Md. Aatur Rahman, Tsugio Kitamura *



Development of novel pyrrole synthesis for the preparation of intermediates of bioactive pyrrole alkaloids

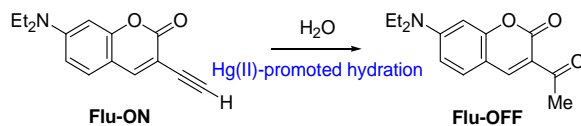
pp 4762–4765

Eiko Yasui, Masao Wada, Norio Takamura *

**A Fluorescent coumarinylalkyne probe for the selective detection of mercury(II) ion in water**

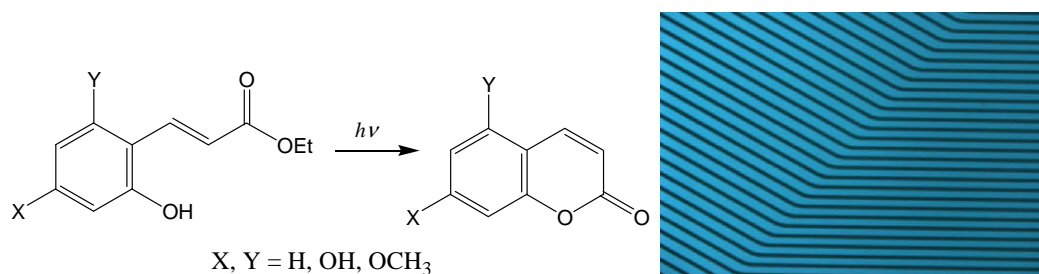
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Dong-Nam Lee, Gun-Joong Kim, Hae-Jo Kim *

**Photoconversion of *o*-hydroxycinnamates to coumarins and its application to fluorescence imaging**

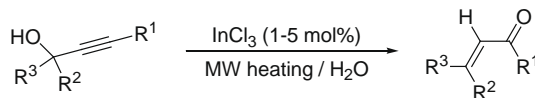
pp 4769–4772

Sung-Youl Cho, Young-Kyu Song, Joong-Gon Kim, Se-Young Oh, Chan-Moon Chung *

**Microwave-assisted InCl₃-catalyzed Meyer–Schuster rearrangement of propargylic aryl carbinols in aqueous media: a green approach to α,β -unsaturated carbonyl compounds**

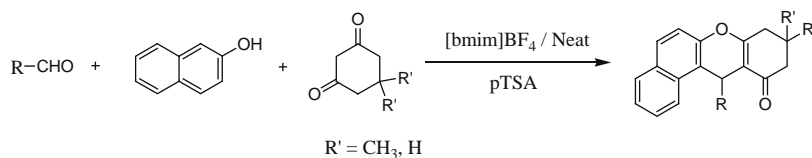
pp 4773–4776

Victorio Cadierno *, Javier Francos, José Gimeno

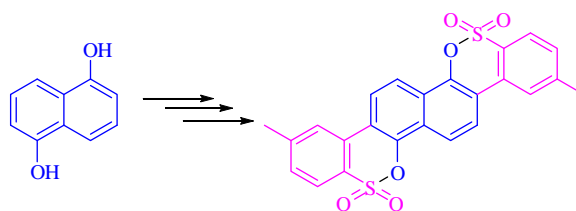


pTSA-catalyzed one-pot synthesis of 12-aryl-8,9,10,12-tetrahydrobenzo[*a*]xanthen-11-ones in ionic liquid and neat conditions

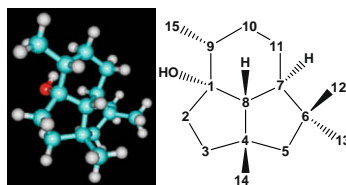
pp 4777–4780

Jitender M. Khurana ^{*}, Devanshi MagooAn efficient and environmentally benign protocol for the synthesis of 12-aryl-8,9,10,12-tetrahydrobenzo[*a*]xanthen-11-ones is described.**Synthesis of tricyclic and tetracyclic sultones by Pd-catalyzed intramolecular cyclization**

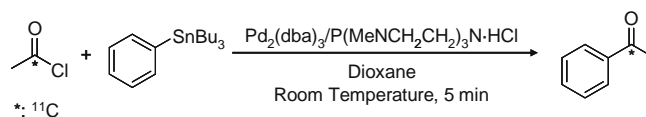
pp 4781–4784

K. C. Majumdar ^{*}, Shovan Mondal, Debankan Ghosh**(–)-*epi*-Presilphiperfolan-1-ol, a new triquinane sesquiterpene from the essential oil of *Anemia tomentosa* var. *anthriscifolia* (Pteridophyta)**

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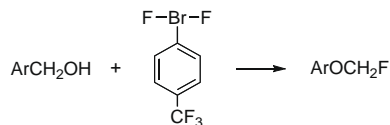
Shaft Corrêa Pinto, Gilda Guimarães Leitão, Humberto Ribeiro Bizzo, Natalia Martinez, Eduardo Dellacassa, Fernando Martins dos Santos Jr., Fabio Luiz Paranhos Costa, Mauro Barbosa de Amorim, Suzana Guimarães Leitão ^{*}The isolation and structure elucidation of (–)-*epi*-presilphiperfolan-1-ol from the essential oil of *Anemia tomentosa* var. *anthriscifolia* are reported.**Synthesis of [*carbonyl*-¹¹C]acetophenone via the Stille cross-coupling reaction of [¹¹C]acetyl chloride with tributylphenylstannane mediated by Pd₂(dba)₃/P(MeNCH₂CH₂)₃N·HCl**

pp 4788–4791

Takuya Arai ^{*}, Koichi Kato, Ming-Rong ZhangThe Stille cross-coupling reaction of [¹¹C]acetyl chloride with tributylphenylstannane leading to [*carbonyl*-¹¹C]acetophenone was studied. The coupled product [*carbonyl*-¹¹C]acetophenone was synthesized in high radiochemical conversion from [¹¹C]acetyl chloride using the Pd₂(dba)₃/P(MeNCH₂CH₂)₃N·HCl system.

Oxidation of benzyl alcohols with difluoro(aryl)- λ^3 -bromane: formation of benzyl fluoromethyl ethers via oxidative rearrangement

pp 4792–4795

Masahito Ochiai ^{*}, Akira Yoshimura, Kazunori Miyamoto^{*}Corresponding author

Supplementary data available via ScienceDirect

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