

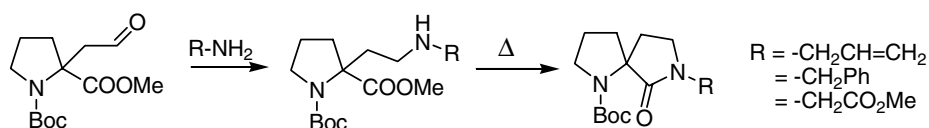
Contents

COMMUNICATIONS

Spirobicyclic diamines 1: synthesis of proline-derived spirolactams via thermal intramolecular ester aminolysis

pp 3005–3008

Fintan Kelleher* and Sinead Kelly

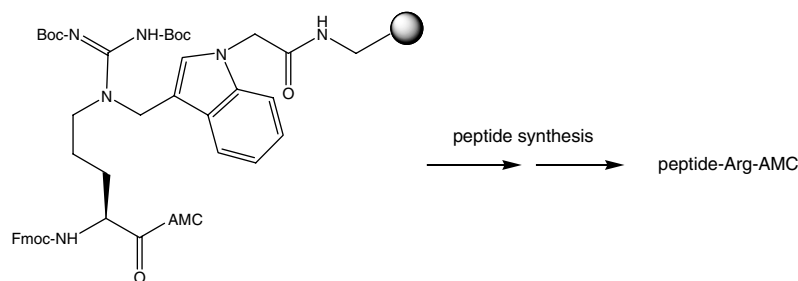


Reductive amination of primary amines with a proline-derived aldehyde followed by thermal cyclisation in refluxing toluene gave spirolactams in good yields.

A novel solid-phase linker strategy for the side-chain anchoring of arginine: an expeditious route to arginine 7-amido-4-methylcoumarins

pp 3009–3012

Joerg Beythien, Sophie Barthélémy, Peter Schneeberger and Peter D. White*

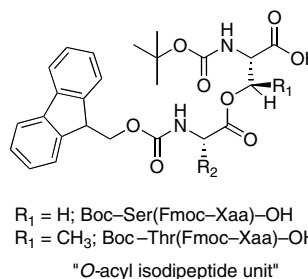


'O-Acyl isopeptide method' for the efficient synthesis of difficult sequence-containing peptides: use of 'O-acyl isodipeptide unit'

pp 3013–3017

Youhei Sohma, Atsuhiko Taniguchi, Mariusz Skwarczynski, Taku Yoshiya, Fukue Fukao, Tooru Kimura, Yoshio Hayashi and Yoshiaki Kiso*

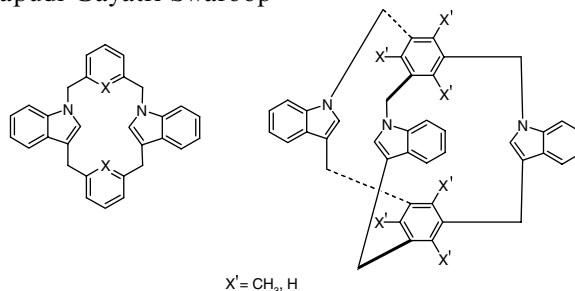
'O-Acyl isodipeptide unit' was used for the peptide synthesis based on the 'O-acyl isopeptide method'.



Synthesis of novel indole based cyclophanes and cylindrical cyclophanes by tandem alkylation methodology using NaH

pp 3019–3022

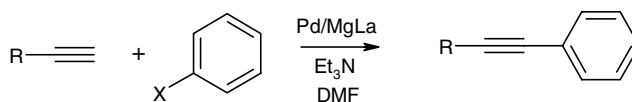
Perumal Rajakumar* and Merikapudi Gayatri Swaroop



A copper-free Sonogashira reaction using a Pd/MgLa mixed oxide

pp 3023–3026

Agnieszka Cwik, Zoltán Hell* and François Figueras

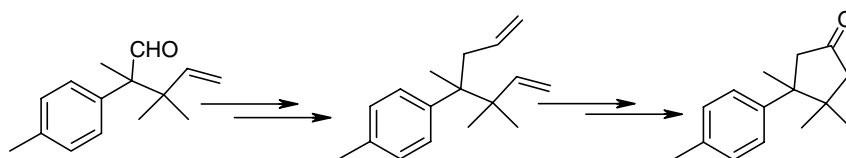


A new Pd/MgLa mixed oxide is found to be an efficient catalyst for the Sonogashira reaction of aryl iodides, bromides and even activated chlorides in the absence of a copper salt.

A short and efficient synthesis of (±)-β-cuparenone

pp 3027–3029

Mukund G. Kulkarni,* Saryu I. Davawala, Mahadev P. Shinde, Attrimuni P. Dhondge, Ajit S. Borhade, Sanjay W. Chavhan and Dnyaneshwar D. Gaikwad

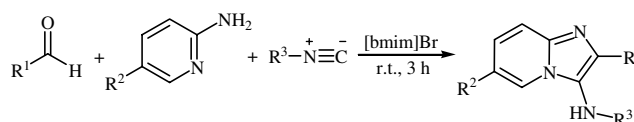


A Wittig olefination–Claisen rearrangement strategy has been applied to achieve one of the shortest and efficient synthesis of (±)-β-cuparenone.

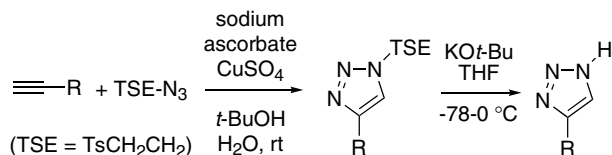
Ionic liquid promoted one-pot synthesis of 3-aminoimidazo[1,2-a]pyridines

pp 3031–3034

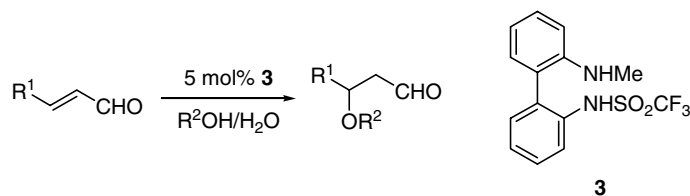
Ahmad Shaabani,* Ebrahim Soleimani and Ali Maleki



β -Tosylethylazide: a useful synthon for preparation of *N*-protected 1,2,3-triazoles via click chemistry pp 3035–3038
Amy H. Yap and Steven M. Weinreb*

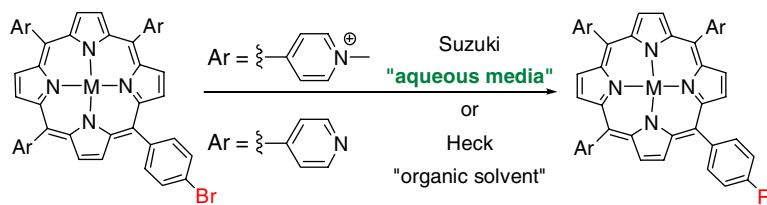


Organocatalytic oxy-Michael addition of alcohols to α,β -unsaturated aldehydes pp 3039–3041
Taichi Kano, Youhei Tanaka and Keiji Maruoka*

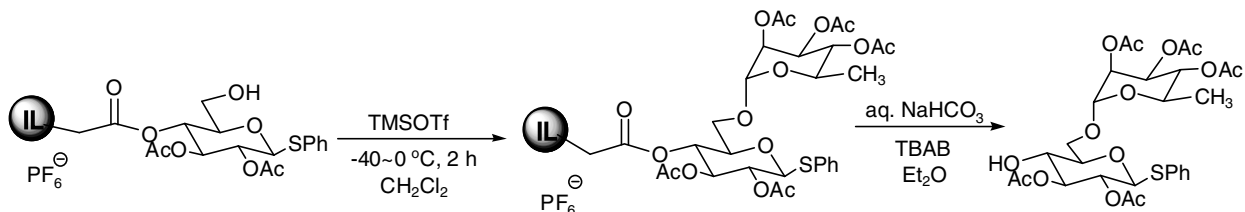


Palladium catalyzed coupling reactions of cationic porphyrins with organoboranes (Suzuki) and alkenes (Heck) pp 3043–3046

Jean-Philippe Tremblay-Morin, Hasrat Ali and Johan E. van Lier*



A novel and efficient ionic liquid supported synthesis of oligosaccharides pp 3047–3050
Jian-Ying Huang, Ming Lei and Yan-Guang Wang*

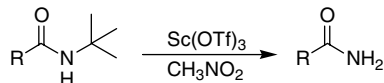


A novel ionic-liquid-support synthesis of oligosaccharides with a general protocol of coupling and purification is described.

Convenient removal of *N*-*tert*-butyl from amides with scandium triflate

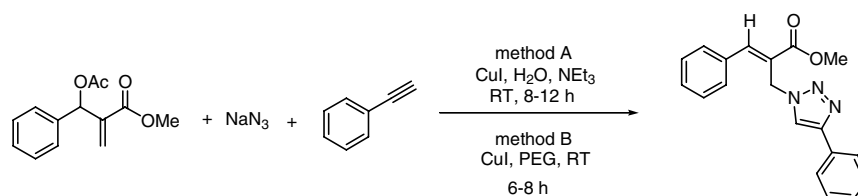
pp 3051–3053

A. K. Mahalingam, Xiongyu Wu and Mathias Alterman*

**Cu(I)-catalyzed one-pot synthesis of 1,4-disubstituted 1,2,3-triazoles via nucleophilic displacement and 1,3-dipolar cycloaddition**

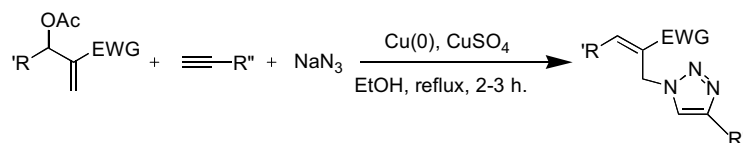
pp 3055–3058

B. Sreedhar,* P. Surendra Reddy and N. Sailendra Kumar

**Three-component coupling of alkynes, Baylis–Hillman adducts and sodium azide: a new synthesis of substituted triazoles**

pp 3059–3063

S. Chandrasekhar,* Debjit Basu and Ch. Rambabu

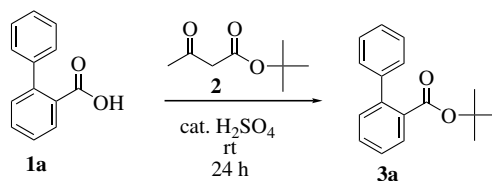


A three-component coupling was used to prepare a series of 1,4-disubstituted-1,2,3-triazoles from the corresponding acetylated Baylis–Hillman adducts, sodium azide and terminal alkynes. This one-pot reaction further increases the efficacy of ‘Click’ synthesis and diversifies the preparation of multi-functional 1,4-disubstituted-1,2,3-triazoles.

Convenient preparation of *tert*-butyl esters

pp 3065–3066

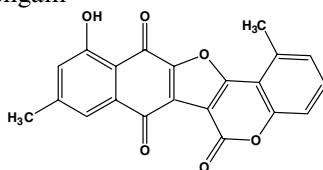
Douglass F. Taber,* David A. Gerstenhaber and Xia Zhao



Crassiflorone, a new naphthoquinone from *Diospyros crassiflora* (Hien)

pp 3067–3070

Jean Gustave Tangmouo, Alain Lannang Meli, Justin Komguem, Victor Kuete, Fernande Ngninzeko Ngounou, David Lontsi,* Veronique Penlap Beng, M. Iqbal Choudhary and Beban Luc Sondengam



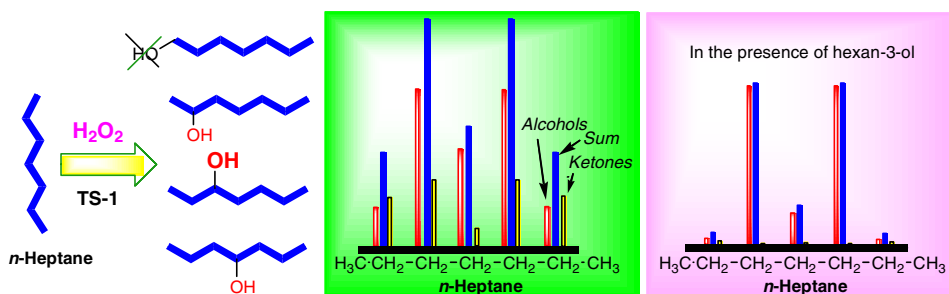
1

A new naphthoquinone, crassiflorone **1** was isolated from the stem bark of *Diospyros crassiflora* together with two known naphthoquinones, three pentacyclic triterpenoids and one coumarin.

Regioselective alkane oxygenation with H₂O₂ catalyzed by titanosilicalite TS-1

pp 3071–3075

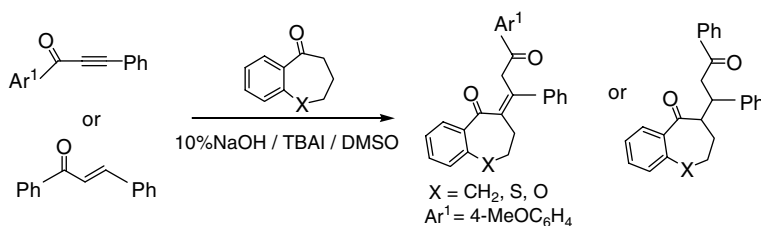
Georgiy B. Shul'pin,* Tawan Sooknoi, Vladimir B. Romakh, Georg Süss-Fink and Lidia S. Shul'pina



An efficient and improved synthesis of 1,5-diketones: versatile conjugate addition of nucleophiles to α,β -unsaturated enones and alkynones

pp 3077–3079

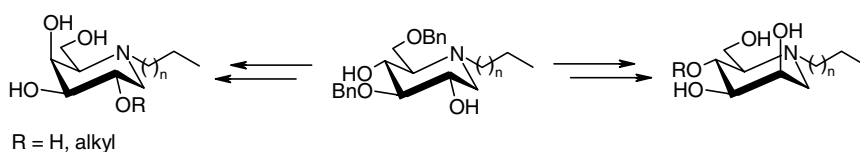
Ravi Shankar, Ashok K. Jha, Uma Sharan Singh and K. Hajela*



A stereodivergent approach to 1-deoxynojirimycin, 1-deoxygalactonojirimycin and 1-deoxymannojirimycin derivatives

pp 3081–3084

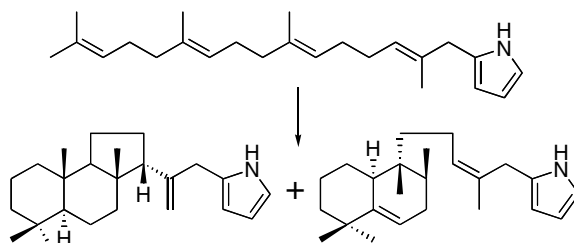
Charlotte Boucheron, Philippe Compain* and Olivier R. Martin*



Enzymatic formation of pyrrole-containing novel cyclic polyprenoids by bacterial squalene:hopene cyclase

pp 3085–3089

Hideya Tanaka, Hisashi Noma, Hiroshi Noguchi and Ikuro Abe*

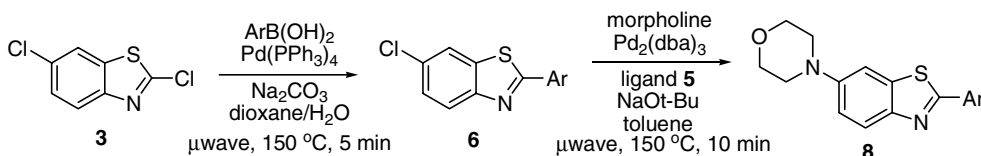


2-(Farnesyltrimethylallyl)pyrrole was enzymatically converted to a 10:1 mixture of a tricyclic and a bicyclic unnatural novel polyprenoids by recombinant squalene:hopene cyclase from *Alicyclobacillus acidocaldarius*.


A highly regioselective synthesis of 2-aryl-6-chlorobenzothiazoles employing microwave-promoted Suzuki–Miyaura coupling reaction

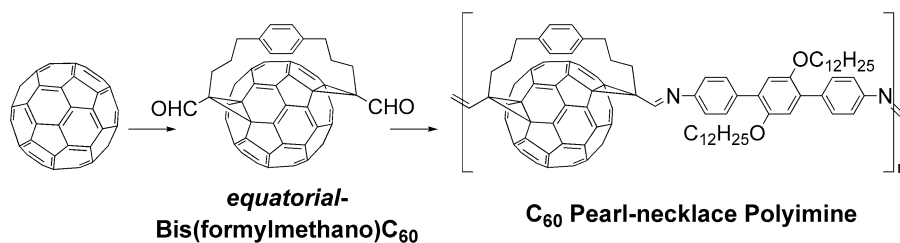
pp 3091–3094

Yeon Heo, Young Seob Song, Bum Tae Kim and Jung-Nyoung Heo*


Regio- and diastereo-controlled synthesis of bis(formylmethano)[60]fullerenes and their application to the formation of [60]fullerene pearl-necklace polyimines

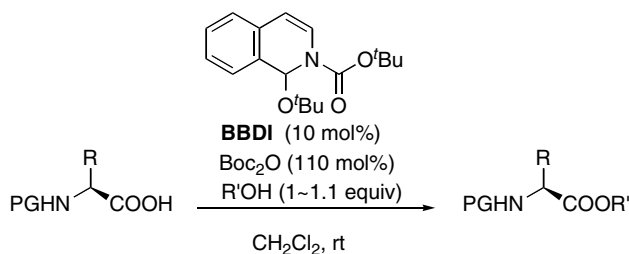
pp 3095–3098

Hiroshi Ito, Yasuhiro Ishida and Kazuhiko Saigo*


A novel 1-tert-butoxy-2-tert-butoxycarbonyl-1,2-dihydroisoquinoline (BBDI)-catalyzed esterification of *N*-protected amino acids with nearly equimolar amounts of alcohols in the presence of Boc₂O

pp 3099–3102

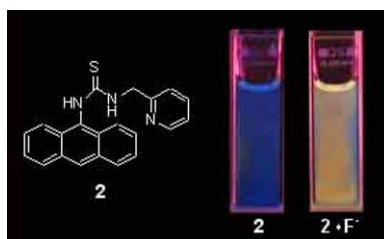
Yukako Saito, Tomokazu Watanabe and Hiroki Takahata*



Anthracene derivatives bearing thiourea group as fluoride selective fluorescent and colorimetric chemosensors

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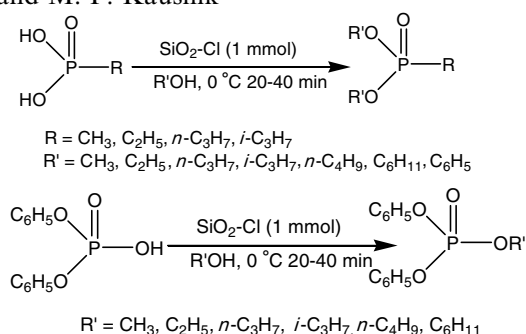
Eun Jin Jun, K. M. K. Swamy, Hyunjin Bang, Sung-Jin Kim and Juyoung Yoon*



An efficient method for the esterification of phosphonic and phosphoric acids using silica chloride

pp 3107–3109

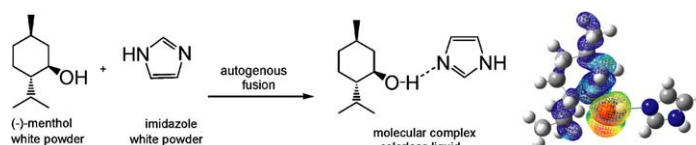
Manisha Sathe, Arvind K. Gupta and M. P. Kaushik*



A solvent-free organic synthesis from solid-state reactants through autogenous fusion due to formation of molecular complexes and increasing alcohol nucleophilicity

pp 3111–3114

Ryota Hiraoka, Hiroto Watanabe and Mamoru Senna*

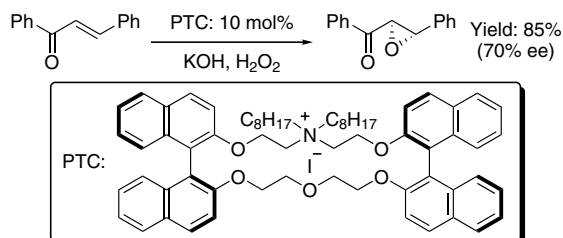


Asymmetric epoxidation catalyzed by novel azacrown ether-type chiral quaternary ammonium salts under phase-transfer catalytic conditions

pp 3115–3118

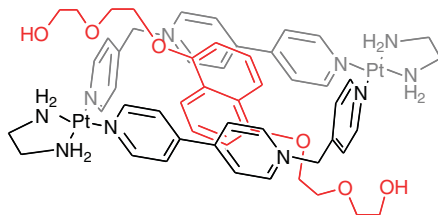
Kazushige Hori,* Mina Tamura, Keita Tani, Nagatoshi Nishiwaki, Masahiro Ariga and Yasuo Tohda

Asymmetric epoxidation of (*E*)-chalcone with alkaline hydrogen peroxide by novel chiral phase-transfer catalysts (chiral PTCs) with quaternary ammonium salts of azacrown ether proceeded in high yield and good enantioselectivity.



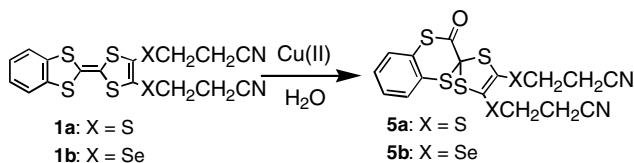
New self-assembled dinuclear Pd(II) and Pt(II) metallomacrocycles of a 4,4'-bipyridin-1-ium ligand with an inner cavity

pp 3119–3122

Marcos Chas, Carlos Platas-Iglesias, Carlos Peinador* and José M^a Quintela*
Evidence of the central tetrathiafulvalene bond opening by copper(II) salts. In situ generation of 2,3-bis(2'-cyanoethylchalcogeno)-7,8-benzo-1,4,6,9-tetrathia-10-ceto spiro[4,5]decane

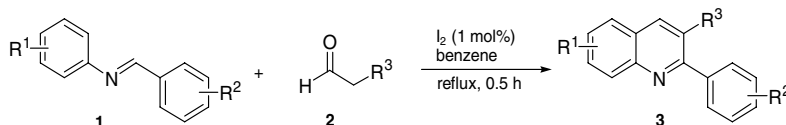
pp 3123–3125

Louiza Boudiba, Lahcène Ouahab* and Abdelkrim Gouasmia


Molecular iodine-catalyzed one-pot synthesis of substituted quinolines from imines and aldehydes

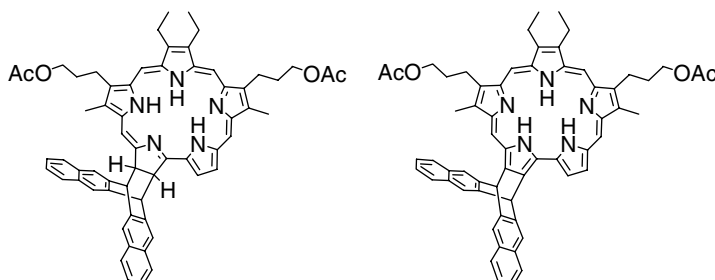
pp 3127–3130

Xu-Feng Lin, Sun-Liang Cui and Yan-Guang Wang*


Synthesis and Diels–Alder reaction of a sapphyrin derivative

pp 3131–3134

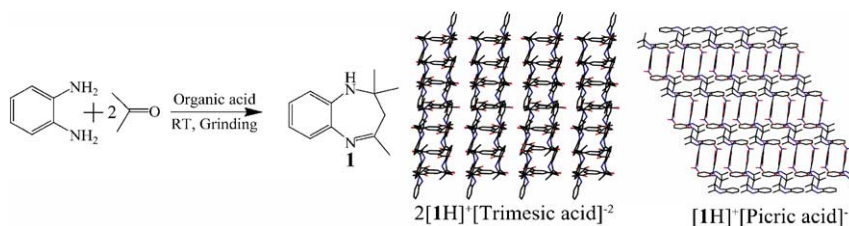
João P. C. Tomé, Dong-Gyu Cho, Jonathan L. Sessler,* Maria G. P. M. S. Neves, Augusto C. Tomé, Artur M. S. Silva and José A. S. Cavaleiro*



A one-pot synthesis and self-assembled superstructure of organic salts of a 1,5-benzodiazepine derivative

pp 3135–3138

Harjyoti Thakuria, Avijit Pramanik, Ballav Moni Borah and Gopal Das*

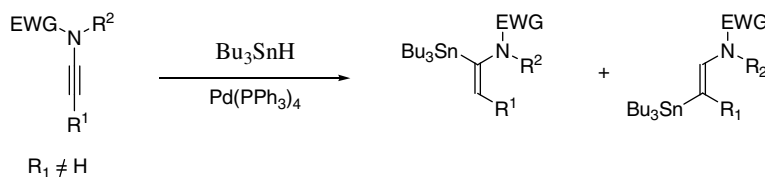


An efficient one-pot synthesis and organic salt superstructure of a 1,5-benzodiazepine derivative is described.

Highly regio- and stereocontrolled synthesis of β -substituted α -tributylstannyl enamides

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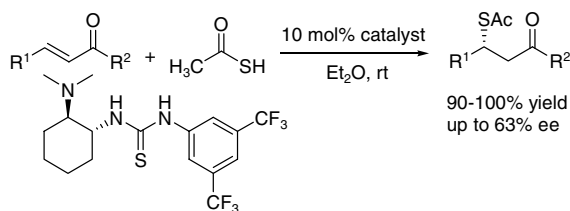
David Buissonneaud and Jean-Christophe Cintrat*



Organocatalytic enantioselective Michael addition of thioacetic acid to enones

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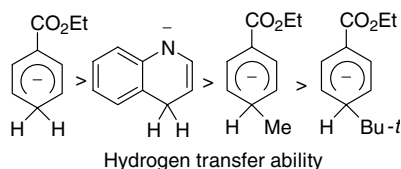
Hao Li, Liansuo Zu, Jian Wang and Wei Wang*



Anions from dihydro substituted ethyl benzoates and quinoline. New hydrogen donors for tin-free radical chemistry

pp 3149–3152

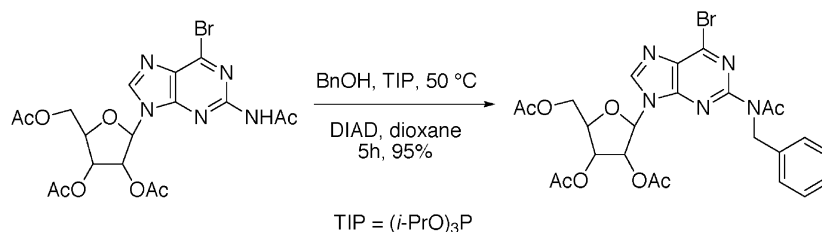
Javier I. Bardagí, Santiago E. Vaillard and Roberto A. Rossi*



Mitsunobu reactions of nucleoside analogs using triisopropyl phosphite–DIAD

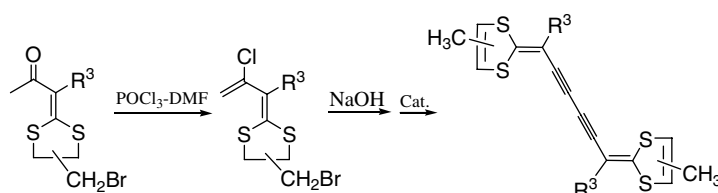
pp 3153–3156

Eduardo A. Véliz and Peter A. Beal*

A new route to extended tetrathiafulvalenes from α -acetyl ketene-*S,S*-acetals

pp 3157–3159

Yu-Long Zhao,* Wei Zhang, Ji-Qing Zhang and Qun Liu*

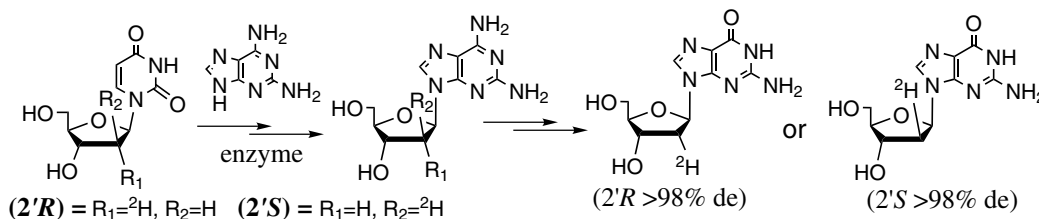


A new route to extended tetrathiafulvalenes was described. The extended TTFs with hexa-2,4-diyne-1,6-diylidene spacer between the two 1,3-dithiole rings were prepared simply from the easily available α -acetyl ketene-*S,S*-acetals in good yields under mild conditions.

Highly diastereoselective chemoenzymatic synthesis of (*2'R*)- and (*2'S*)-2'-deoxy[2'-²H]guanosines

pp 3161–3165

Etsuko Kawashima,* Yusuke Terui, Riho Kodama and Kenzo Yokozeki

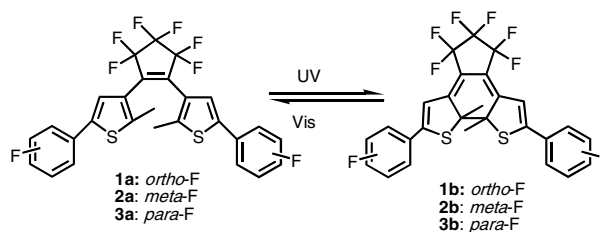


The efficient synthesis of (*2'R* > 98% de)- and (*2'S* > 98% de)-2'-deoxy[2'-²H]guanosines was achieved by chemoenzymatic conversion of (*2'R* > 98% de)- and (*2'S* > 98% de)-2'-deoxy[2'-²H]uridine, respectively.

Substituent position effect on the optoelectronic properties of photochromic diarylethenes

pp 3167–3171

Shouzhi Pu,* Tianshe Yang, Guizhen Li, Jingkun Xu and Bing Chen



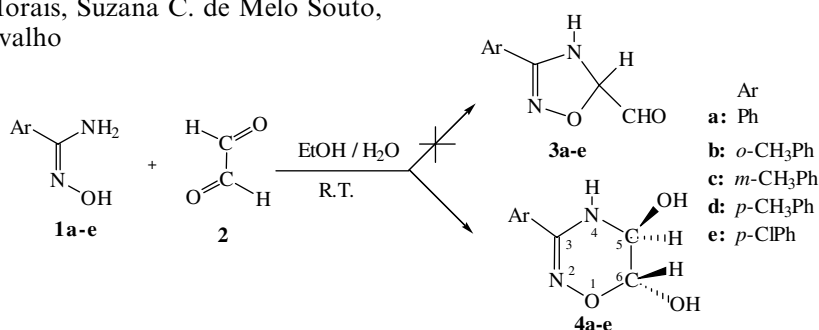
Photochromic diarylethenes bearing fluorine atoms at the *ortho*-, *meta*-, or *para*-position of both terminal phenyl groups have been synthesized. The substituent position effect on their optoelectronic properties were investigated for the first time.

A new one-step synthesis of stable 3-aryl-*trans*-5,6-dihydroxy-5,6-dihydro-1,2,4-oxadiazines

pp 3173–3176

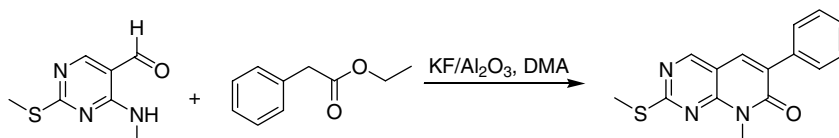
Rajendra M. Srivastava,* Lécia P. F. de Morais, Suzana C. de Melo Souto, Gene B. Carpenter and Luciano T. de Carvalho

An easy and simple synthesis of 3-aryl-*trans*-5,6-dihydroxy-5,6-dihydro-1,2,4-oxadiazines **4a–e** from arylamidoximes **1a–e** and glyoxal **2** is described.

**A facile, KF/Al₂O₃ mediated method for the preparation of functionalized pyrido[2,3-*d*]pyrimidin-7(8*H*)-ones**

pp 3177–3180

Benjamin E. Blass,* Keith Coburn, Neil Fairweather, Mark Sabat and Laura West

**OTHER CONTENT**

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*Corresponding author

Supplementary data available via ScienceDirect

COVER

The cover figure shows the X-ray crystal structures of three different anthracene thiourea derivatives, which display unique charge transfer peaks at 568 nm upon the addition of fluoride ions. *Tetrahedron Letters* **2006**, *47*, 3103–3106.

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ISSN 0040-4039