

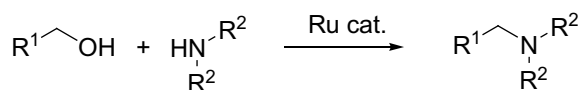
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COMMUNICATIONS

Ruthenium-catalysed synthesis of tertiary amines from alcohols

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M. Haniti S. A. Hamid and Jonathan M. J. Williams*

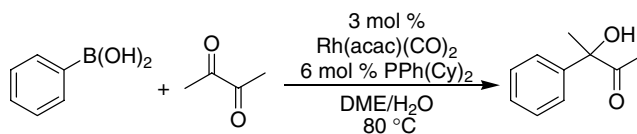


Secondary amines have been alkylated with alcohols using borrowing hydrogen methodology.

Rhodium-catalyzed addition of aryl boronic acids to 1,2-diketones and 1,2-ketoesters

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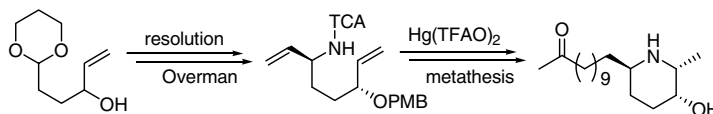
Gregory R. Ganci and John D. Chisholm*



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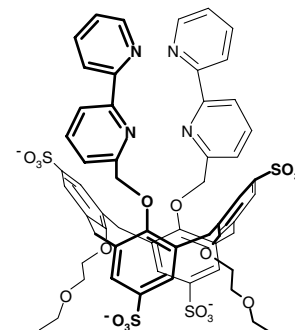
Satwinder Singh, Om V. Singh and Hyunsoo Han*



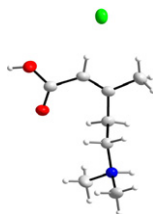
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Giuseppe Arena, Annalinda Contino,* Giuseppe Maccarrone, Domenico Sciotto and Carmelo Sgarlata

A novel dipyriddy-based sulfonato-calixarene is able to complex Co(II) and Cu(II) in water.


One-pot synthesis of β -amino acid derivatives via addition of bis(*O*-silyl) ketene acetals on iminium salts pp 8277–8280

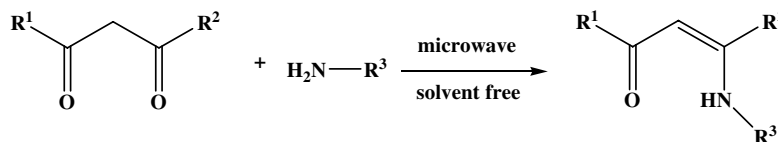
Roba Moumné, Bernard Denise, Andrée Parlier, Solange Lavielle, Henri Rudler and Philippe Karoyan*


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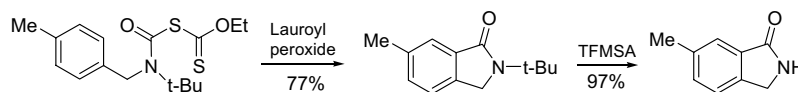
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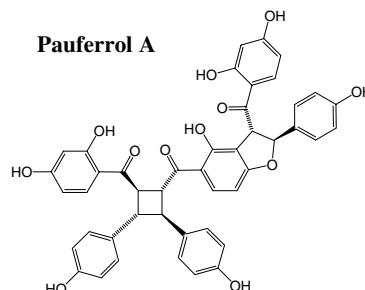
Germán López-Valdez, Simón Olguín-Urbe and Luis D. Miranda*



Paufferol A, a novel chalcone trimer with a cyclobutane ring from *Caesalpinia ferrea* mart exhibiting DNA topoisomerase II inhibition and apoptosis-inducing activity pp 8290–8292

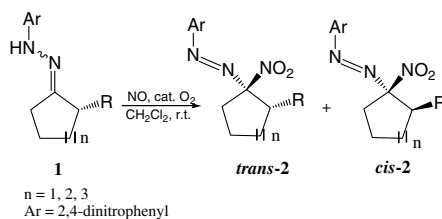
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Paufferol A showed potent human topoisomerase II inhibitory activity and induction of apoptosis in human leukemia HL60 cells.



Stereoselective nitration of asymmetric hydrazones with nitric oxide pp 8293–8296

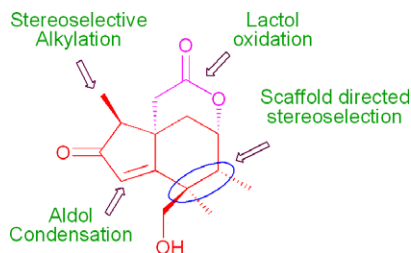
Wen-tao Wu, Gang Su, Zhou Lu and Long-min Wu*



Nitration of asymmetric hydrazones with nitric oxide occurred stereoselectively, giving mono-nitrated trans isomer as a major outcome. The ratio of trans to cis was up to >99.

Total synthesis of the novel *seco*-prezizaane sesquiterpenoid (+)-1*S*-minwanenone pp 8297–8300

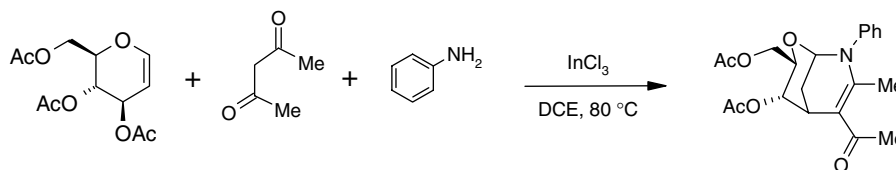
Goverdhan Mehta* and Harish M. Shinde



The first total synthesis of (+)-1*S*-minwanenone, an archetypical *seco*-prezizaane sesquiterpene, has been accomplished from a readily available chiral *endo*-tricyclic synthon following a flexible strategy.

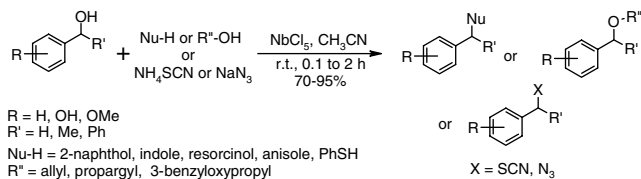
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J. S. Yadav,* B. V. Subba Reddy, M. Srinivas, Ch. Divyavani, A. C. Kunwar and Ch. Madavi

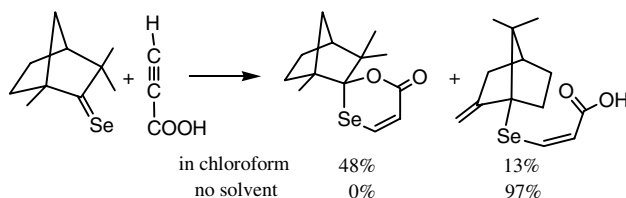


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of benzylic alcohols

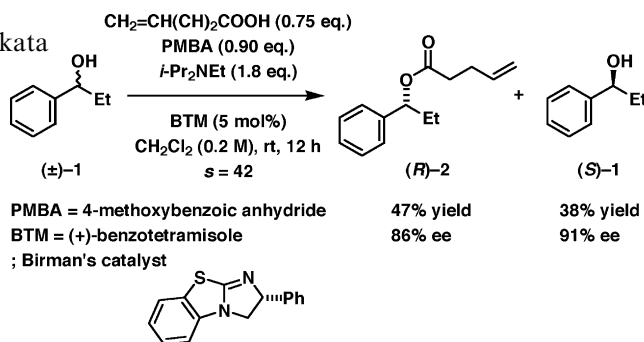
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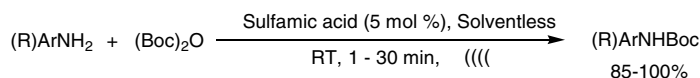
Kentarō Okuma,* Yuichi Mori, Toshiyuki Shigetomi, Miki Tabuchi, Kosei Shioji and Yoshinobu Yokomori


The first asymmetric esterification of free carboxylic acids with racemic alcohols using benzoic anhydrides and tetramisole derivatives: an application to the kinetic resolution of secondary benzylic alcohols pp 8314–8317

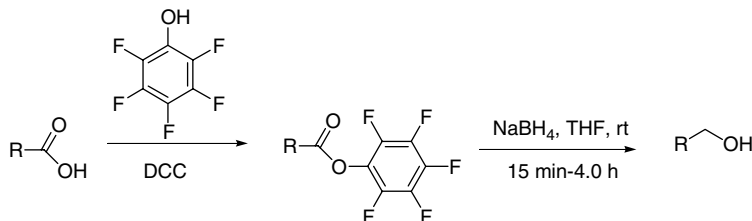
Isamu Shiina* and Kenya Nakata


Efficient, solventless N-Boc protection of amines carried out at room temperature using sulfamic acid as recyclable catalyst pp 8318–8322

Dharita J. Upadhyaya, Alessandro Barge, Rachele Stefania and Giancarlo Cravotto*



Reduction of pentafluorophenyl esters to the corresponding primary alcohols using sodium borohydride pp 8323–8325
 Eleni Papavasilopoulou, Petros Christofis, Despina Terzoglou and Panagiota Moutevelis-Minakakis*

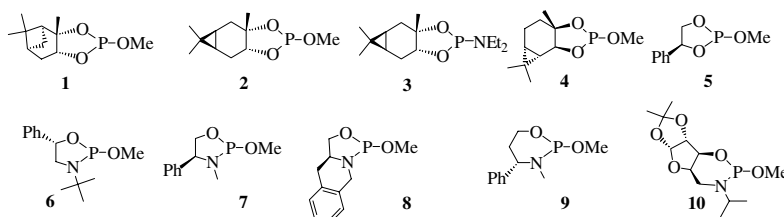


The reduction of a variety of pentafluorophenyl esters of carboxylic acids, including N-protected amino acids, by NaBH₄ in THF has been developed.

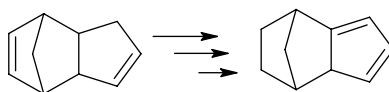
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Eduard B. Benetsky,* Sergey V. Zheglov, Tatiana B. Grishina, Fliur Z. Macaev, Liudmila P. Bet, Vadim A. Davankov and Konstantin N. Gavrilov

Various P*-chiral phosphite-type ligands used in Pd-catalysed allylation

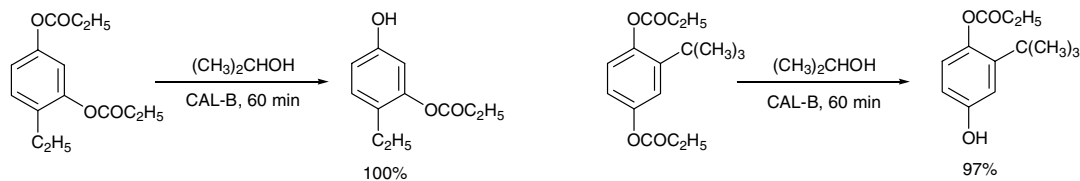


A convenient route to prepare isodicyclopentadiene—precursor of 1,5-dihydro-pentalene pp 8331–8333
 F. Burgos O,* I. Chávez, J. M. Manríquez* and S. Alegría



Secondary alcohols act as better nucleophiles than primary alcohols in the lipase-catalyzed regioselective deacylation of dihydroxybenzenes acylated at both phenolic hydroxyls pp 8334–8337

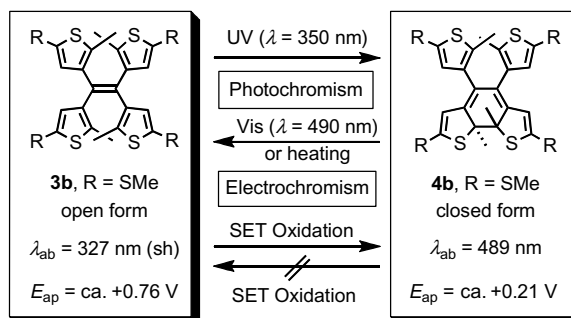
Toshifumi Miyazawa,* Manabu Hamada, Ryohei Morimoto, Takashi Murashima and Takashi Yamada



Synthesis, X-ray crystallographic analysis, and theoretical structure analysis of tetrathienylethenes designed for photo- and electrochromism

pp 8338–8342

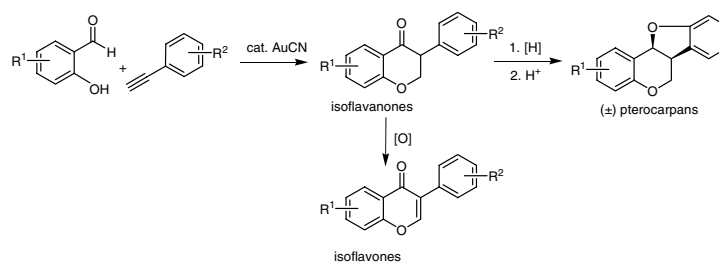
Hiroshi Ikeda,* Azusa Sakai, Hayato Namai, Akinori Kawabe and Kazuhiko Mizuno*



Rapid syntheses of (\pm)-pterocarpan and isoflavones via the gold-catalyzed annulation of aldehydes and alkynes

pp 8343–8346

Rachid Skouta and Chao-Jun Li*

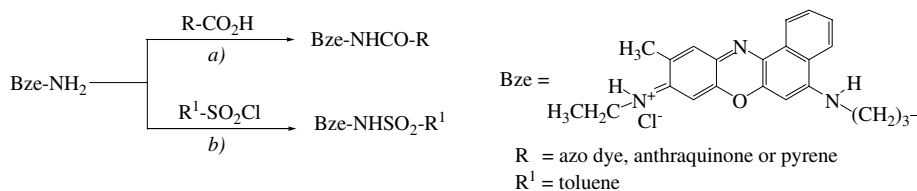


(\pm)-Pterocarpan and analogues have been synthesized efficiently via the annulation of salicylaldehydes and *o*-methoxymethoxyphenylacetylene followed by a one-pot reduction and acidic cyclization of ketones. In addition, isoflavone derivatives have been synthesized rapidly via the annulation of salicylaldehyde and arylacetylenes followed by IBX/DMSO oxidation of the isoflavanones.

Synthesis, characterisation and antimicrobial activity of new benzo[*a*]phenoxazine based fluorophores

pp 8347–8352

Vânia H. J. Frade, Maria J. Sousa, João C. V. P. Moura and M. Sameiro T. Gonçalves*

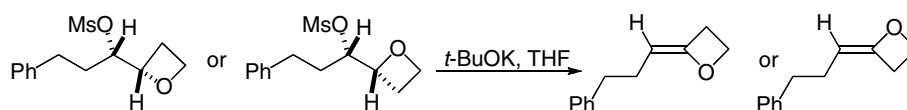


Reagents and conditions: (a) DCC/HOBt, rt; (b) 1 M NaOH/H₂O, 0 °C and rt.

2-Alkylidene oxetanes by stereospecific elimination of mesylates

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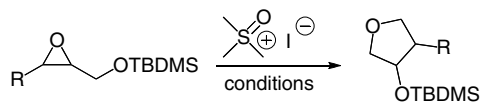
Paul S. Sabila and Amy R. Howell*



3-Silyloxytetrahydrofurans via sulfoxonium ylide reactions with α -silyloxyepoxides

pp 8356–8359

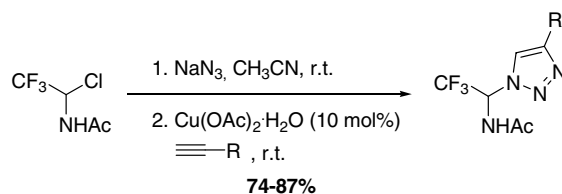
Paul S. Sabila, Yanke Liang and Amy R. Howell*



Synthesis of new trifluoromethyl peptidomimetics with a triazole moiety

pp 8360–8362

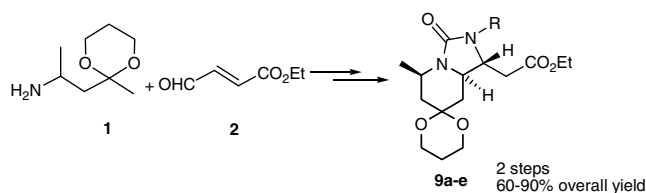
Julien Bonnamour, Julien Legros, Benoit Crousse* and Danièle Bonnet-Delpon



A simple and efficient synthesis of new cyclic ureas

pp 8363–8365

Delphine Baumann, Khalil Bennis, Isabelle Ripoche* and Yves Troin*

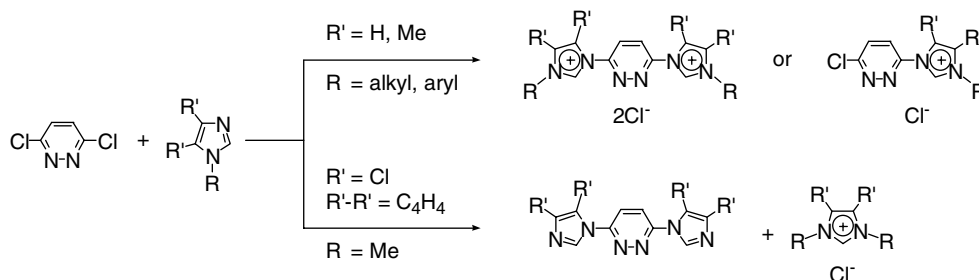


Original N-heterocyclic ureas **9a–e** were prepared efficiently from aminoketal **1** and ethyl-*trans*-4-oxo-buten-2-ate **2**.

A versatile access to pyridazines with tethered imidazolium groups—new precursors for mono- and binucleating NHC/pyridazine hybrid ligands

pp 8366–8370

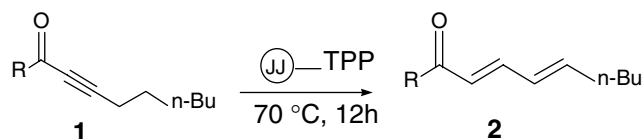
Ulrich J. Scheele, Sebastian Dechert and Franc Meyer*



Solvent-free heterogeneous organocatalysis: stereoselective isomerization of α,β -ynones to (*E,E*)- α,β - γ,δ -dienones catalyzed by polymer-supported tertiaryphosphines

pp 8371–8375

Hai-Ling Liu, Huan-Feng Jiang,* Lin Xu and Hai-Ying Zhan

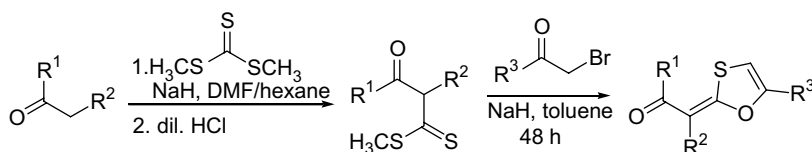


Stereoselective isomerization of α,β -ynones was catalyzed by polymer-supported tertiaryphosphines under solvent-free conditions. (*E,E*)- α,β - γ,δ -Dienones were obtained with up to 93% isolated yields when **JJ-TPP** was employed.

A facile method for the synthesis of substituted 2-ylidene-1,3-oxathioles from acetophenones

pp 8376–8378

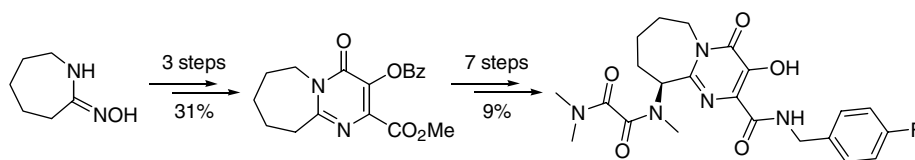
R. Samuel, C. V. Asokan, S. Suma, P. Chandran, S. Retnamma and E. R. Anabha*



Synthesis of a hexahydropyrimido[1,2-*a*]azepine-2-carboxamide derivative useful as an HIV integrase inhibitor

pp 8379–8382

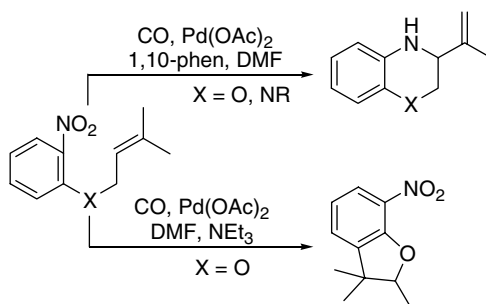
Marco Ferrara,* Benedetta Crescenzi, Monica Donghi, Ester Muraglia, Emanuela Nizi, Silvia Pesci, Vincenzo Summa and Cristina Gardelli



From the study of naturally occurring *N*-allylated phenazines towards new Pd-mediated transformations

pp 8383–8387

Elena Merișor and Uwe Beifuss*

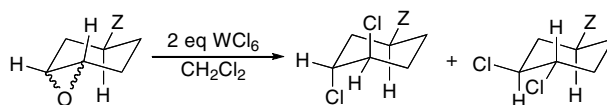


New Pd-mediated reductive heteroannulations of *N*-allyl diphenylamines through Pd-catalyzed *N*-arylation and of *O*-allylethers are reported.

Functional group selectivity in reactions of epoxides with tungsten hexachloride

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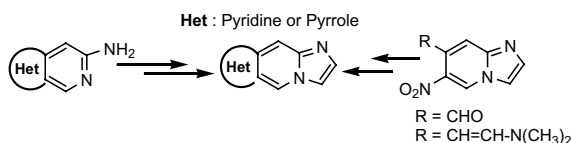
Michael E. Jung* and Jennifer M. Murphy



The reactions of substituted cyclohexene oxides with tungsten hexachloride were carried out to learn the functional group tolerance of this reagent. Several groups proved stable—esters, sulfides, sulfones—while others were unstable—alcohols, silyl ethers, ketones. The diaxial dichloride is usually formed although the diequatorial dichloride could also be prepared.

A convenient synthesis of linear pyridinoimidazo[1,2-*a*]pyridine and pyrroloimidazo[1,2-*a*]pyridine cores pp 8392–8395

Mounir Andaloussi,* Emmanuel Moreau, Olivier Chavignon and Jean C. Teulade



*Corresponding author

Supplementary data available via ScienceDirect

COVER

This protocol directly produces chiral carboxylic esters from free carboxylic acids and racemic secondary alcohols, by utilizing the trans-acylation process to generate mixed anhydrides from acid components and benzoic anhydride derivatives under the influence of chiral catalysts.

Tetrahedron Letters 2007, 48, 8314–8317.

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