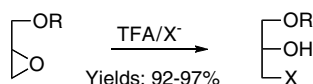


Contents

COMMUNICATIONS

Regioselective and stereospecific opening of an oxirane system mediated by trifluoroacetic acid and halide anions. A new direct approach to C3-vicinal halohydrins pp 1887–1889

Stephan D. Stamatov* and Jacek Stawinski*



R = Acyl, alkyl or a silyl group.
X = Cl, Br, or I

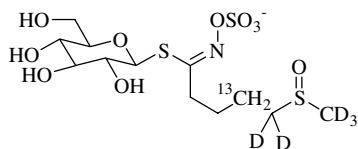
Treatment of glycidol derivatives with trifluoroacetic acid (TFA) in the presence of halide ions produced efficiently the corresponding halohydrins in high yields.



The synthesis of isotopically labelled glucoraphanin for metabolic studies

pp 1891–1894

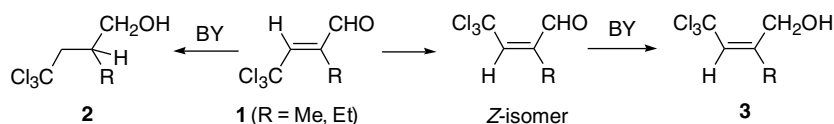
John J. Morrison and Nigel P. Botting*



Highly stereoselective bioreduction and one-way isomerization of 2-alkyl-4,4,4-trichloro-2-butenals

pp 1895–1898

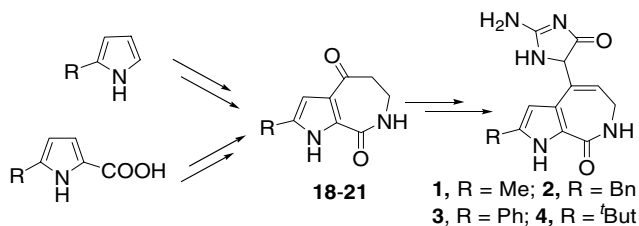
Ning Li, Fanglin Zhang and Yuefa Gong*



Synthesis of 2-substituted *endo*-hymenialdisine derivatives

pp 1899–1901

Qinfei He, Wei Chen and Yong Qin*

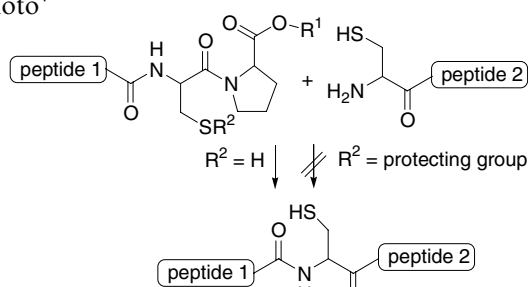


The first synthesis of 2-substituted *endo*-hymenialdisine derivatives **1–4** was described starting with 2-substituted pyrroles and 5-substituted pyrrolo-2-carboxylic acids.

Sequential peptide ligation by using a controlled cysteinyl prolyl ester (CPE) autoactivating unit

pp 1903–1905

Toru Kawakami* and Saburo Aimoto*

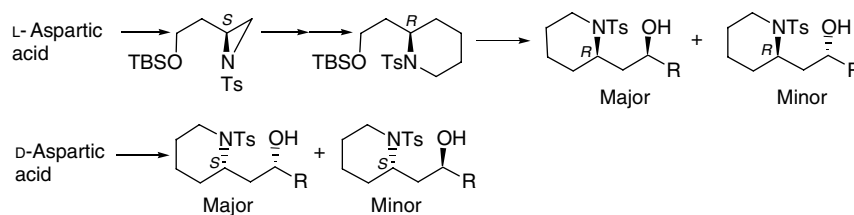


A peptide building block containing a cysteinyl prolyl ester (CPE) autoactivating unit can be controlled by the protection of the Cys residue, permitting ligation at either the C or N terminus.

An efficient approach to 2-substituted *N*-tosylpiperidines: asymmetric synthesis of 2-(2-hydroxy substituted)piperidine alkaloids

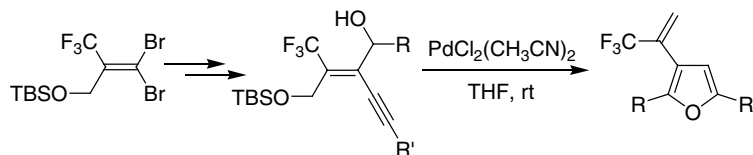
pp 1907–1910

Alakesh Bisai and Vinod K. Singh*

**Novel synthesis of 3-(3,3,3-trifluoroprop-1-en-2-yl)furans via stereoselective processing and palladium-catalyzed cycloisomerization**

pp 1911–1913

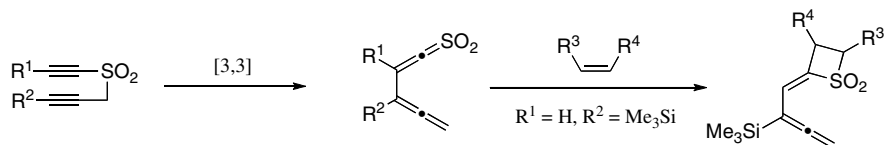
Jiming Zhang, Xiaoming Zhao and Long Lu*



Generation of allenylthioetene *S,S*-dioxides through [3,3] sigmatropic rearrangement of alkynyl propargyl sulfones

pp 1915–1918

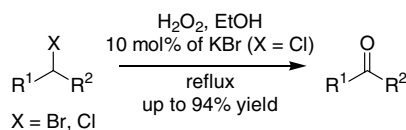
Shigenobu Aoyagi,* Makoto Koyanagi, Megumi Takahashi, Kazuaki Shimada and Yuji Takikawa



Efficient and convenient oxidation of organic halides to carbonyl compounds by H₂O₂ in ethanol

pp 1919–1921

Jingting Tang, Jinlong Zhu, Zongxuan Shen and Yawen Zhang*

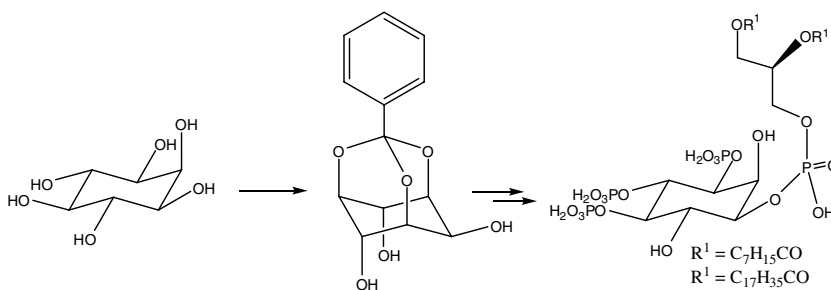


Various primary and secondary organic bromides were oxidized by hydrogen peroxide in refluxing ethanol to give the corresponding aldehydes/and ketones; organic chlorides were oxidized to the corresponding aldehydes/and ketones by the same oxidant in ethanol in the presence of 10 mol % of KBr.

Rapid and efficient routes to phosphatidylinositol 3,4,5-trisphosphates via *myo*-inositol orthobenzoate

pp 1923–1926

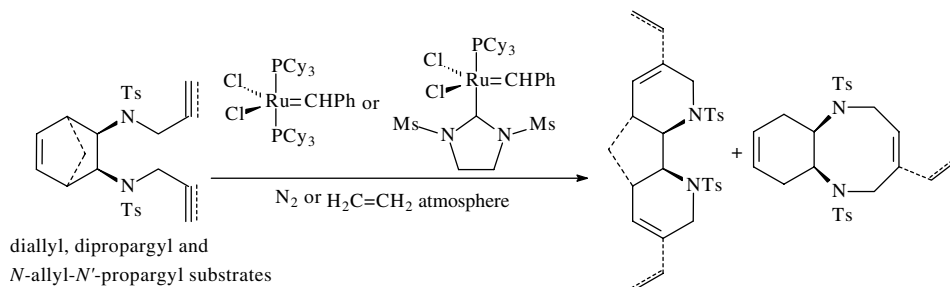
Kana M. Sureshan, Andrew M. Riley and Barry V. L. Potter*



Alkene and enyne metathesis reactions on allylic and propargylic amines

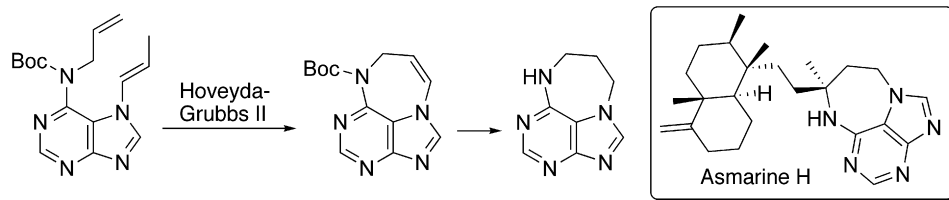
pp 1927–1930

Elisabetta Groaz, Donatella Banti and Michael North*



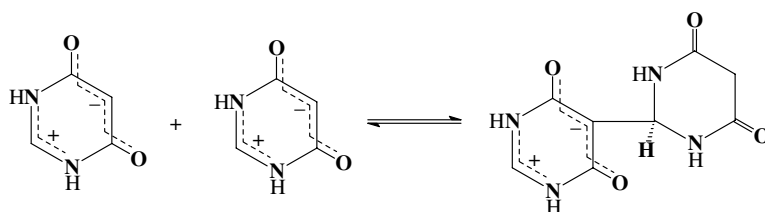
Synthetic studies directed towards asmarines; construction of the tetrahydrodiazepinopurine moiety by ring closing metathesis pp 1931–1934

Anders Vik and Lise-Lotte Gundersen*


Crystal-stabilisation of an elusive 4,6-pyrimidinedione dimer

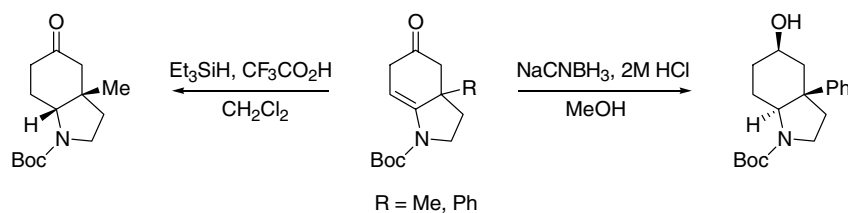
pp 1935–1938

Anna Katrusiak* and Andrzej Katrusiak


Stereoselective reductions of *N*-Boc-hexahydro-1*H*-indolin-5(6*H*)-ones

pp 1939–1943

Michael A. Brodney, Marcus L. Cole, Jamie A. Freemont, Stella Kyi, Peter C. Junk, Albert Padwa, Andrew G. Riches and John H. Ryan*

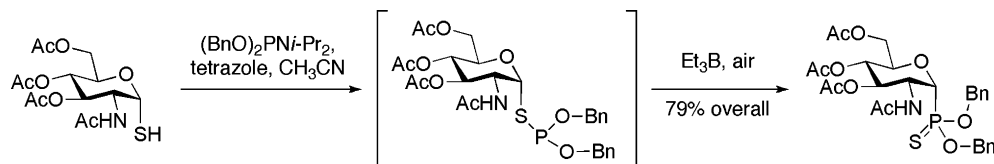


We report the divergent effects of a 3a-methyl and 3a-phenyl substituent on the chemoselectivity and stereoselectivity of reduction of the enamide moiety of *N*-Boc-tetrahydro-1*H*-indolin-5(6*H*)-ones.

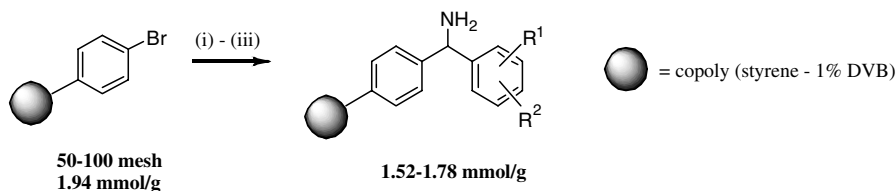

The anomeric Pudovik rearrangement

pp 1945–1949

Spencer Knapp* and Kehinde Ajayi

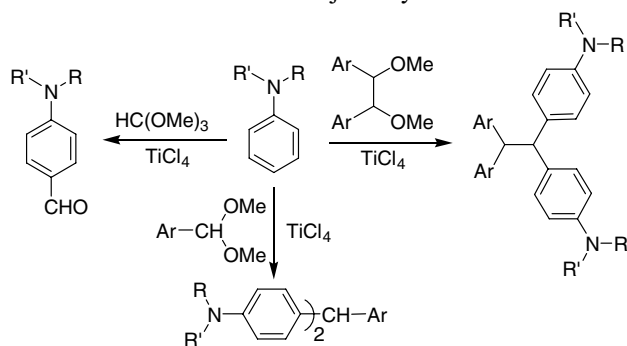


A convenient one-pot preparation and applications of high loading benzhydrylamine solid phase linkers pp 1951–1954
 Jane E. Torr, Jonathan M. Large and Edward McDonald*

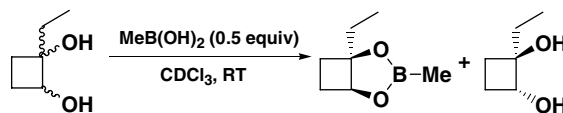


Reagents and conditions: (i) 4 equiv ^tBuLi, toluene 60 °C, 3 h; (ii) 10 equiv ArCN, toluene, rt, 20 min; and (iii) add 20% v/v MeOH, then 20 equiv NaBH₄, rt, 30 min.

A simple TiCl₄ promoted arylation of orthoformate and benzyl ethers by *N,N*-dialkylarylamines pp 1955–1958
 Mariappan Periasamy,* Neela Kishorebabu and K. Natarajan Jayakumar

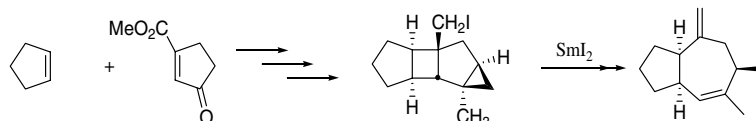


Stereoisomer-differentiating esterification of diols with methylboronic acid. A simple method for the separation of *cis*- and *trans*-1,2-diols pp 1959–1961
 Chandra D. Roy* and Herbert C. Brown



cis,*trans*-Stereoisomeric 1,2-diols are successfully separated by selective esterification of *cis*-isomer with methylboronic acid.

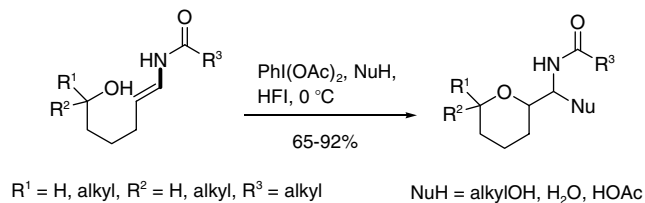
Synthesis of the sesquiterpenoid lactarane skeleton by a radical cyclobutylcarbinyll/cyclopropylcarbinyll fragmentation sequence pp 1963–1965
 Gordon L. Lange* and Nadia Corelli



Oxidative entry to α -oxy *N*-acyl aminals and hemiaminals: efficient formation of 2-(*N*-acylaminol) substituted tetrahydropyrans

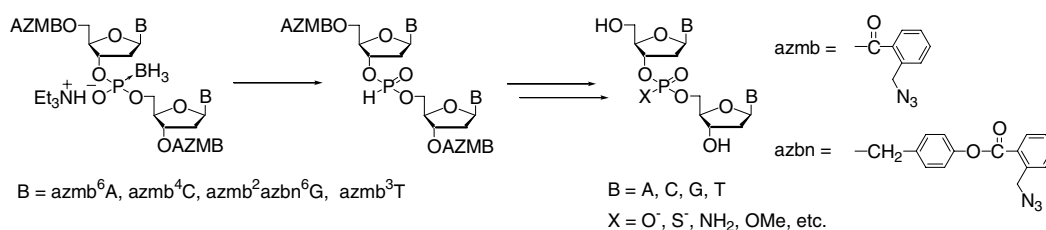
pp 1967–1971

Xianhai Huang,* Ning Shao, Anandan Palani and Robert Aslanian


Synthesis of dinucleoside phosphates and their analogs by the boranophosphotriester method using azido-based protecting groups

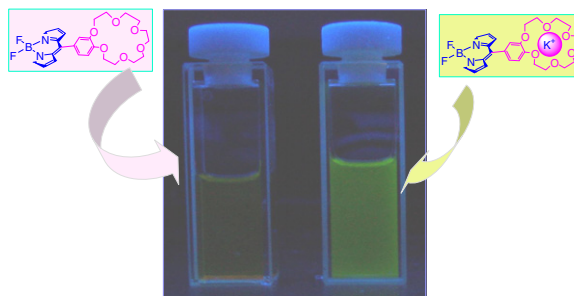
pp 1973–1976

Toshihide Kawanaka, Mamoru Shimizu and Takeshi Wada*


Synthesis and study of crown ether-appended boron dipyrin chemosensors for cation detection

pp 1977–1982

James D. Blakemore, Raghu Chitta and Francis D'Souza*

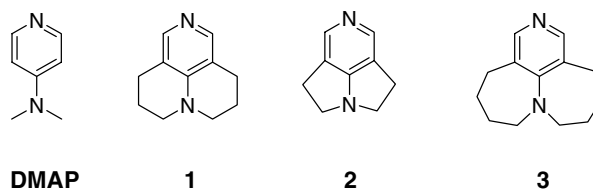


Boron dipyrin bearing crown ethers of varying cavity sizes as chemosensors for metal ions in solution is reported.


Conformationally restricted 4-dimethylaminopyridine (DMAP) analogs: synthesis and evaluation of catalytic effectiveness

pp 1983–1986

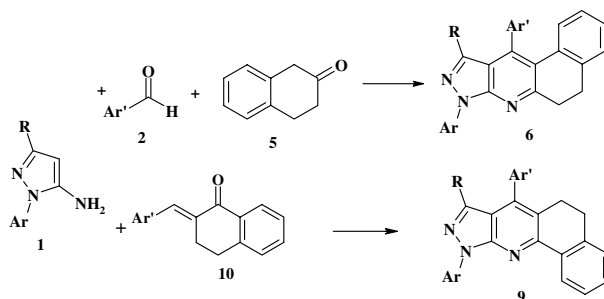
Satwinder Singh, Goutam Das, Om V. Singh and Hyunsoo Han*



Regioselective synthesis of fused benzopyrazolo[3,4-*b*]quinolines under solvent-free conditions

pp 1987–1990

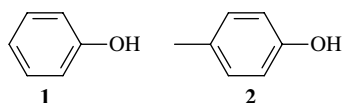
Jairo Quiroga,* Jaime Portilla, Hugo Serrano, Rodrigo Abonía, Braulio Insuasty, Manuel Nogueras and Justo Cobo



Identification of the sex pheromone of *Phyllophaga cuyabana* (Coleoptera: Melolonthidae)

pp 1991–1992

Paulo H. G. Zarbin,* Walter S. Leal, Crébio J. Ávila and Lenita J. Oliveira

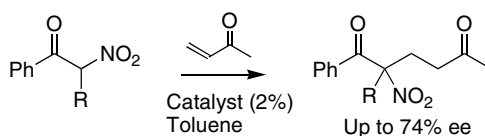


The sex pheromone of *Phyllophaga cuyabana* has been identified as a mixture of phenol **1** and *p*-cresol **2**.

Asymmetric Michael addition of α -nitro-ketones using catalytic peptides

pp 1993–1997

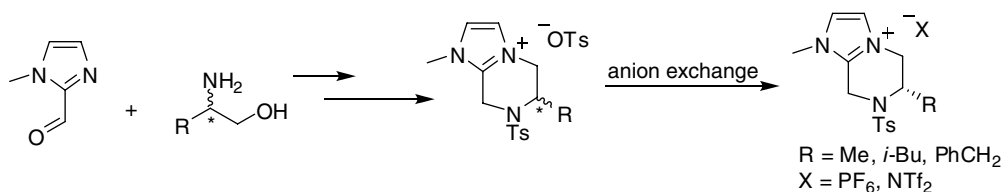
Brian R. Linton,* Michael H. Reutershan, Christopher M. Aderman, Elizabeth A. Richardson, Kristen R. Brownell, Charles W. Ashley, Catherine A. Evans and Scott J. Miller



Design and synthesis of fused-ring chiral ionic liquids from amino acid derivatives

pp 1999–2002

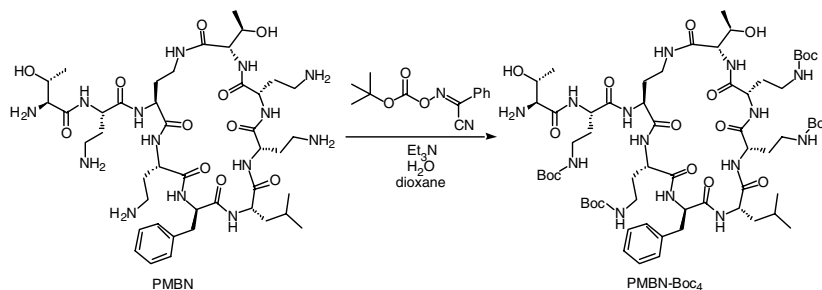
Bukuo Ni, Satish Garre and Allan D. Headley*



Preparation of tetra-Boc-protected polymyxin B nonapeptide

pp 2003–2005

Hardwin O'Dowd,* Bum Kim, Peter Margolis, Wen Wang, Charlotte Wu, Sara L. Lopez and Johanne Blais

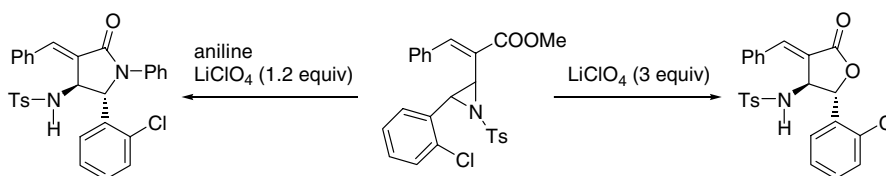


A method for the selective tetra-Boc-protection of polymyxin B nonapeptide (PMBN) has been developed.

Expedient synthesis of 3-arylidene lactams and 3-arylidene lactones from *N*-tosylaziridine derivatives

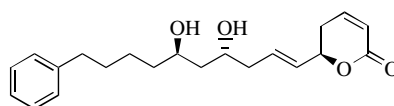
pp 2007–2011

Ka Young Lee, Hyun Seung Lee and Jae Nyoung Kim*

**First stereoselective total synthesis of (6*R*)-6-[(4*R*,6*R*)-4,6-dihydroxy-10-phenyldec-1-enyl]-5,6-dihydro-2*H*-pyran-2-one**

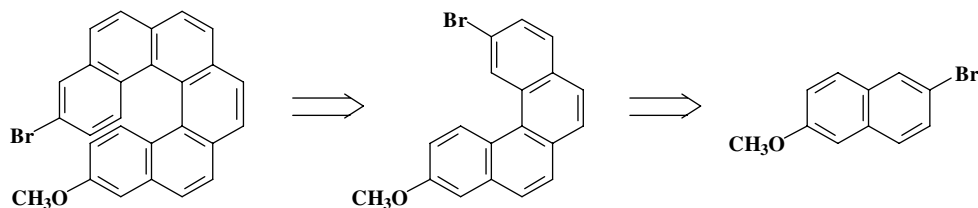
pp 2013–2015

Palakodety Radha Krishna* and Ravula Srinivas

**Synthesis and characterization of new hexahelicene derivatives**

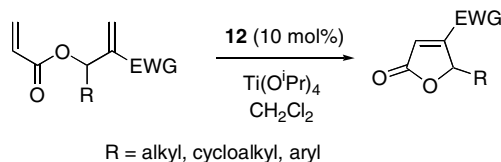
pp 2017–2020

Faouzi Aloui, Riadh El Abed, Angéla Marinetti and Béchir Ben Hassine*



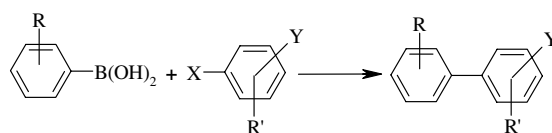
Synthesis of substituted butenolides by the ring closing metathesis of two electron deficient olefins: a general route to the natural products of paraconic acids class pp 2021–2024

N. Selvakumar,* P. Kalyan Kumar, K. Chandra Shekar Reddy and B. Chandra Chary



A highly efficient catalyst for Suzuki coupling of aryl halides and bromoarylphosphine oxides pp 2025–2027

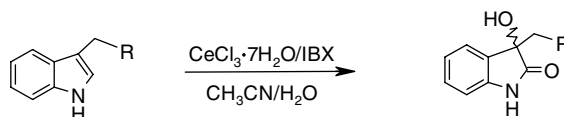
Mohammad Joshaghani,* Marzieh Daryanavard, Ezzat Rafiee, Jianliang Xiao and Collin Baillie



The biphenyl-based phosphine, P(*o*-C₆H₄C₆H₄Me)Ph₂, has been successfully applied to the Suzuki coupling of aryl halides and two bromoarylphosphine oxides with low catalyst loading and good to excellent conversions.

CeCl₃·7H₂O/IBX-promoted oxidation of 3-alkylindoles to 3-hydroxyoxindoles pp 2029–2032

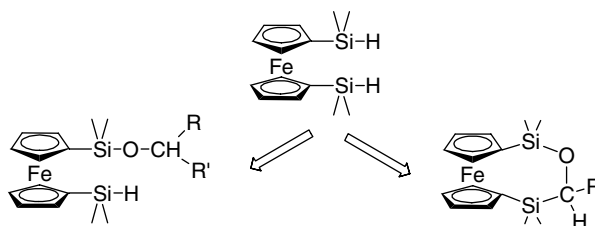
J. S. Yadav,* B. V. Subba Reddy, Ch. Suresh Reddy and A. D. Krishna



Hydrosilylation and double silylation of carbonyl compounds with 1,1'-bis(dimethylsilyl)ferrocene using nickel- and platinum-catalysts pp 2033–2036

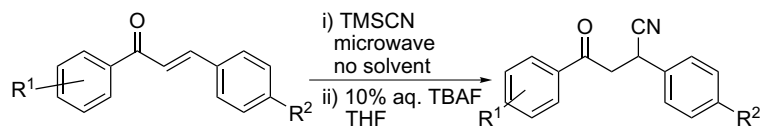
Young Kun Kong,* Jinsik Kim, Sungkeun Choi and Seok-Bong Choi

A series of ferrocene-based organosilicon compounds have been prepared via hydrosilylation or double silylation of carbonyl compounds with 1,1'-bis(dimethylsilyl)ferrocene using (C₂H₄)Pt(PPh₃)₂ or Ni(PEt₃)₄ catalysts. In general, while the platinum catalyst (C₂H₄)Pt(PPh₃)₂ preferentially produced cyclic double-silylated products, the Ni(PEt₃)₄ catalyst led to the hydrosilylated ferrocene products from aldehydes or ketones.



An efficient conjugate hydrocyanation of chalcones and related enones with TMSCN under solvent- and additive-free microwave conditions pp 2037–2039

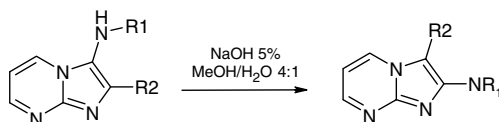
Hirokazu Iida, Tatsuya Moromizato, Hiroshi Hamana* and Kiyoshi Matsumoto*



The addition of TMSCN to α,β -unsaturated ketones such as chalcones, 3-nonen-2-one and benzalacetone under microwave irradiation in the absence of additive and solvent, rapidly in 5 min yielded the corresponding 1,4-adducts in good to moderate yields. However, no reaction of α,β -unsaturated esters with TMSCN took place under the same conditions.

Regioselective two step synthesis of 3-substituted 2-aminoimidazo[1,2-*a*]pyrimidines pp 2041–2045

Santiago Carballares,* Marta M. Cifuentes and Gregory A. Stephenson


OTHER CONTENTS

Corrigendum

p 2047

*Corresponding author

+ Supplementary data available via ScienceDirect

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Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS[®]. Full text available on ScienceDirect[®]



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