

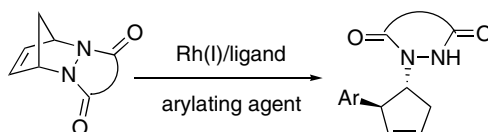
Contents

COMMUNICATIONS

Rhodium-catalyzed asymmetric arylation of bicyclic hydrazines

pp 9173–9176

Ferruccio Bertolini, Franco Macchia and Mauro Pineschi*



excellent regio- and diastereoselectivity and moderate-to-good ee's

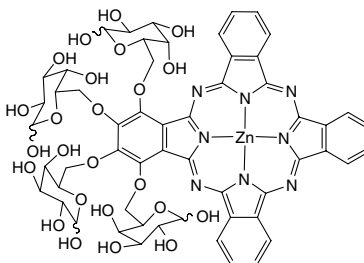
A practical asymmetric ring opening of bicyclic hydrazines with a variety of arylating agents was realized by means of rhodium(I)-catalysis.



[1,2,3,4-Tetrakis(α/β-D-galactopyranos-6-yl)phthalocyaninato]zinc(II): a water-soluble phthalocyanine

pp 9177–9180

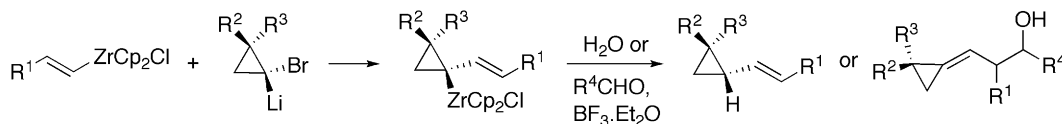
Anderson O. Ribeiro, João P. C. Tomé, Maria G. P. M. S. Neves, Augusto C. Tomé, José A. S. Cavaleiro,* Yassuko Iamamoto and Tomás Torres



Cyclopropyl carbenoid insertion into alkenylzirconocenes—a convergent synthesis of alkenylcyclopropanes and alkylidenecyclopropanes

pp 9181–9185

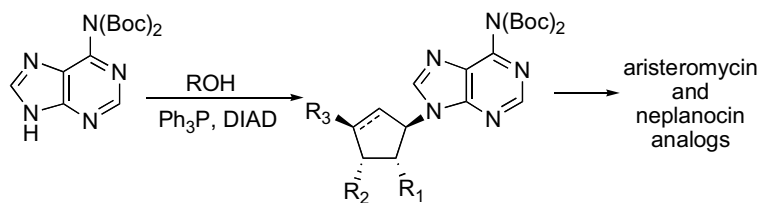
Emma Thomas, Alexander N. Kasatkin and Richard J. Whitby*



An efficient Mitsunobu coupling to adenine-derived carbocyclic nucleosides

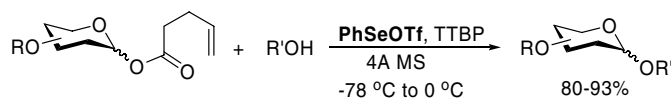
pp 9187–9189

Xue-qiang Yin, Wei-kuan Li and Stewart W. Schneller*

**A new efficient glycosylation method employing glycosyl pentenoates and PhSeOTf**

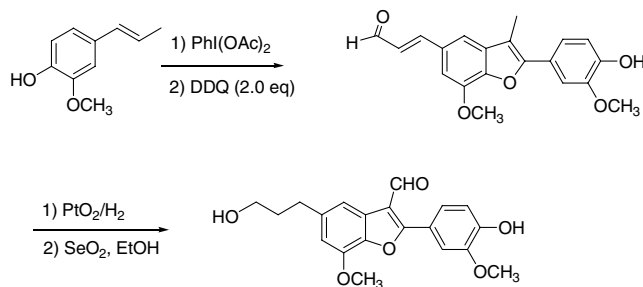
pp 9191–9194

Tae Jin Choi, Ju Yuel Baek, Heung Bae Jeon and Kwan Soo Kim*

**A concise and efficient synthesis of salvinal from isoeugenol via a phenoxenium ion intermediate**

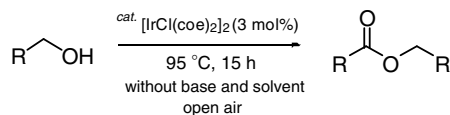
pp 9195–9197

Eng-Chi Wang, Yung-Shung Wein and Yueh-Hsiung Kuo*

**Oxidative dimerization of primary alcohols to esters catalyzed by iridium complexes**

pp 9199–9201

Aki Izumi, Yasushi Obora, Satoshi Sakaguchi and Yasutaka Ishii*

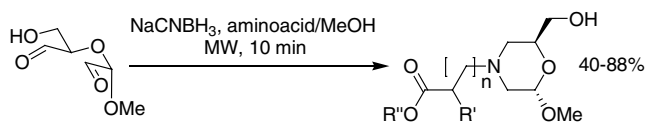


Primary alcohols undergo efficiently oxidative dimerization by iridium complexes under air without any solvent to form esters in fair to good yields.

An improved synthesis of morpholino-glycoamino acids

pp 9203–9206

Marko Anderluh

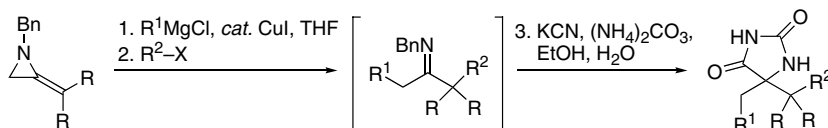


The current synthesis of hybrid morpholino-glycoamino acids through double reductive amination is characterized by modest yields and lengthy reaction times. We propose an optimized procedure that results in improved yields and the shortest reaction times reported so far.

Rapid generation of molecular complexity using ‘sequenced’ multi-component reactions: one-pot synthesis of 5,5′-disubstituted hydantoins from methyleneaziridines

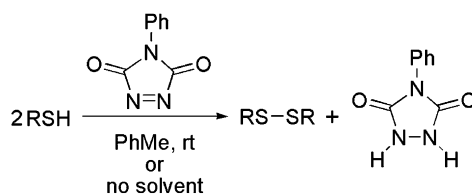
pp 9207–9209

Cyril Montagne, Jason J. Shiers and Michael Shipman*

**N-Phenyltriazolinedione as an efficient, selective, and reusable reagent for the oxidation of thiols to disulfides**

pp 9211–9213

Angelos Christoforou, Georgia Nicolaou and Yiannis Elemes*

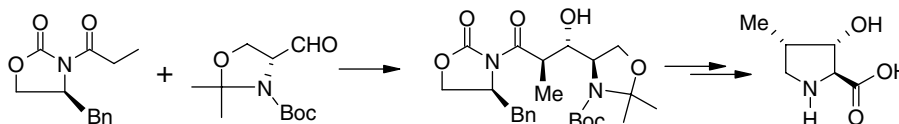


A new method for the oxidation of thiols to disulfides with *N*-phenyltriazolinedione as the oxidizing agent is described. The method is characterized by short reaction times at rt, simple work-up, and very good to excellent isolated product yields.

General strategy for a short and efficient synthesis of 3-hydroxy-4-methylprolines (HMP)

pp 9215–9219

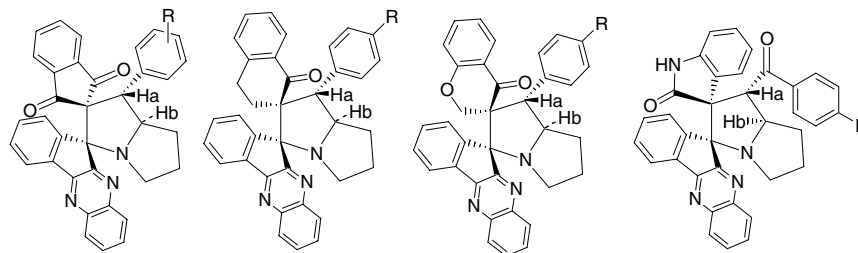
Debendra K. Mohapatra,* Dhananjay Mondal, Mukund S. Chorghade and Mukund K. Gurjar



Heteropolyacid–silica mediated [3+2] cycloaddition of azomethine ylides—a facile multicomponent one-pot synthesis of novel dispiroheterocycles

pp 9221–9225

A. R. Suresh Babu and R. Raghunathan*

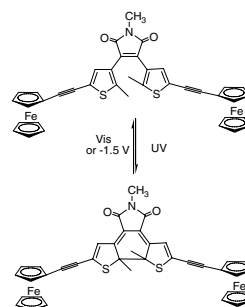


Dual-controlled dithienylmaleimide switch containing ferrocene units

pp 9227–9231

Lei Sun and He Tian*

A novel photochromic dithienylmaleimide (TMF) appended with two ferrocene units was synthesized, which showed obvious changes in the emission, the redox potential and the magnetism between the open-ring and closed-ring forms of TMF. The ring-opening reaction could be induced by electrochemical redox.

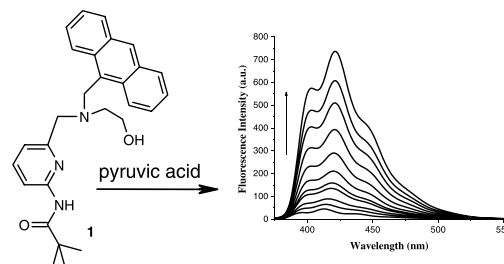


Effect of a hydroxyl group in an anthracene-labelled pyridine amide receptor in molecular recognition of α -keto and hydroxy monocarboxylic acids

pp 9233–9237

Kumares Ghosh* and Goutam Masanta

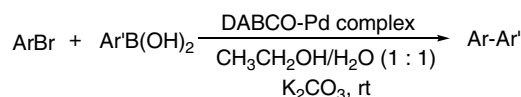
To ascertain the role of a hydroxyl group in carboxylic acid recognition, anthracene-labelled pyridine amide sensor **1** was designed and synthesized. The sensor functions as an 'off-on' fluorescence switch for α -keto and -hydroxy acids. The binding properties were studied using ^1H NMR, fluorescence and UV-vis spectroscopic methods. Sensor **1** is selective for pyruvic acid.



Polymer-supported DABCO–palladium complex as a stable and reusable catalyst for room temperature Suzuki–Miyaura cross-couplings of aryl bromides

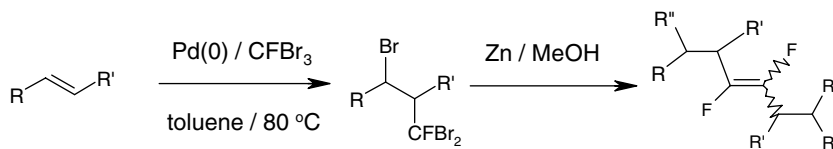
pp 9239–9243

Jin-Heng Li,* Xi-Chao Hu and Ye-Xiang Xie



Palladium(0)-catalyzed addition of CFBr_3 to olefins: synthesis of 1,1,3-tribromo-1-fluoroalkanes and 1,2-difluoroalkenes pp 9245–9248

B. Rama Raju, E. K. Pramod Kumar and Anil K. Saikia*

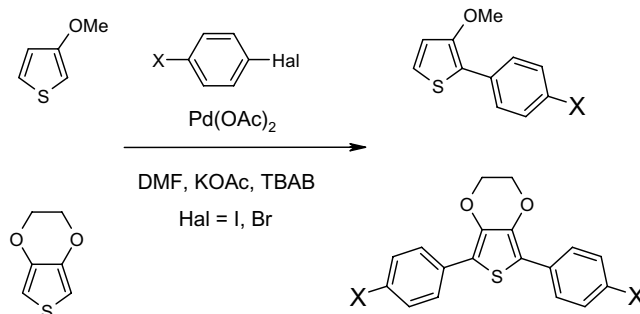


where $R=R' = \text{H, alkyl, aryl}$; $R'' = \text{H, Br}$



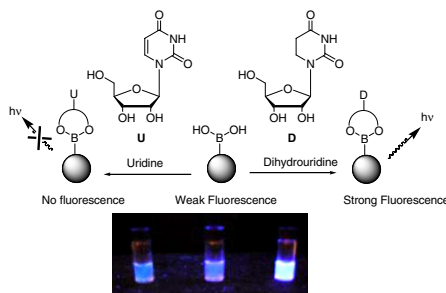
Direct C–H arylation of 3-methoxythiophene catalyzed by Pd. Application to a more efficient synthesis of π -alkoxy-oligothiophene derivatives pp 9249–9252

A. Borghese,* G. Geldhof and L. Antoine



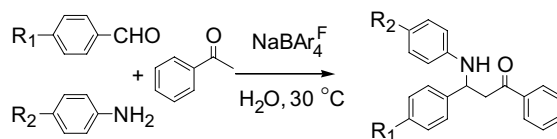
Selective fluorescence-based detection of dihydrouridine with boronic acids pp 9253–9256

Delphine Luvino, Michael Smietana* and Jean-Jacques Vasseur*



Mannich-type reactions in a colloidal solution formed by sodium tetrakis(3,5-trifluoromethylphenyl)-borate as a catalyst in water pp 9257–9259

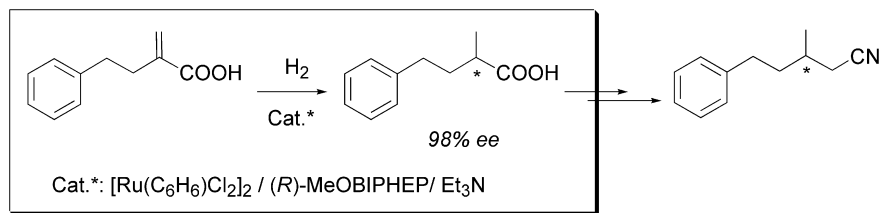
Chi-Tsing Chang, Bei-Sih Liao and Shih-Tzung Liu*



The asymmetric hydrogenation of 2-phenethylacrylic acid as the key step for the enantioselective synthesis of Citralis Nitrile®

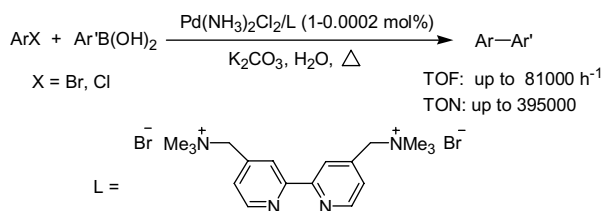
pp 9261–9265

Alberto Scrivanti,* Sara Bovo, Alessandra Ciappa and Ugo Matteoli


Recyclable and highly active cationic 2,2'-bipyridyl palladium(II) catalyst for Suzuki cross-coupling reaction in water

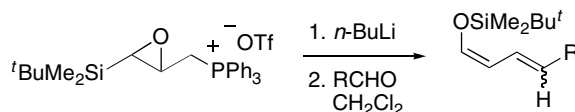
pp 9267–9270

Wei-Yi Wu, Shao-Nung Chen and Fu-Yu Tsai*


Tandem epoxysilane rearrangement/Wittig-type reactions using γ -phosphinoyl- and γ -phosphonio- α,β -epoxysilane

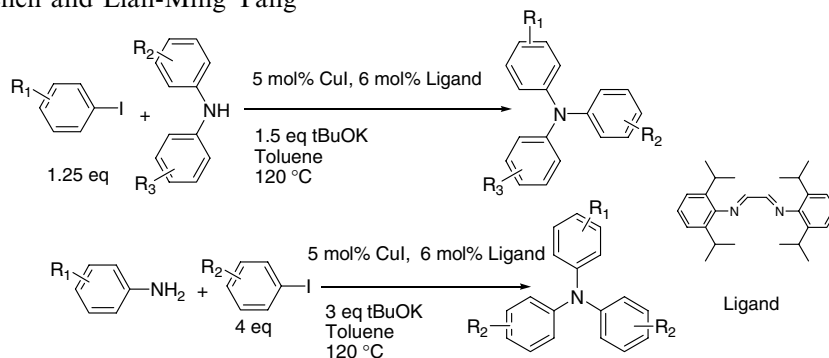
pp 9271–9273

Michiko Sasaki, Mai Horai and Kei Takeda*


Diazabutadiene: a simple and efficient ligand for copper-catalyzed N-arylation of aromatic amines

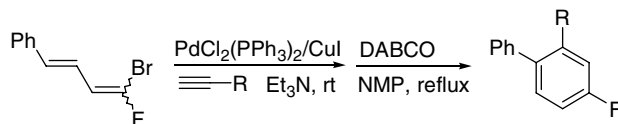
pp 9275–9278

Yu-Hua Liu, Chen Chen and Lian-Ming Yang*



Base-catalyzed cyclization of monofluorodienynes: a new route to substituted fluorobenzene derivatives pp 9279–9281

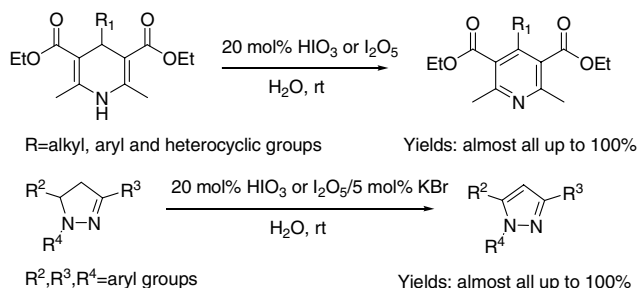
Yi Wang and Donald J. Burton*



Aromatization of Hantzsch 1,4-dihydropyridines and 1,3,5-trisubstituted pyrazolines with HIO₃ and I₂O₅ in water pp 9283–9285

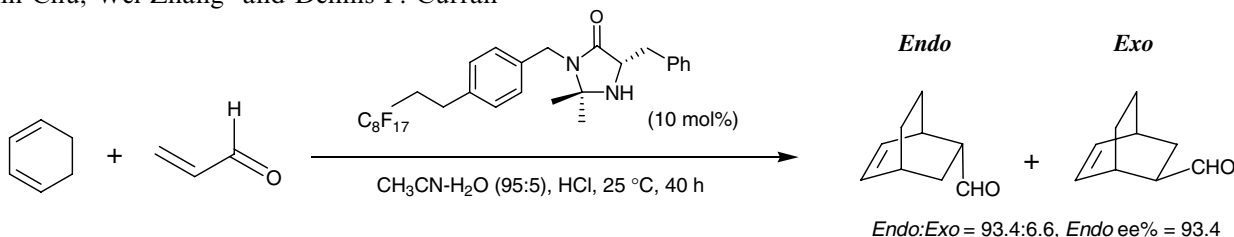
Lingzhi Chai, Yankai Zhao, Qiuju Sheng and Zhong-Quan Liu*

Hantzsch 1,4-dihydropyridines and 1,3,5-trisubstituted pyrazolines were converted to the corresponding pyridines and pyrazoles efficiently by the treatment of a catalytic amount of HIO₃ or I₂O₅ in water.



A recyclable fluorous organocatalyst for Diels–Alder reactions pp 9287–9290

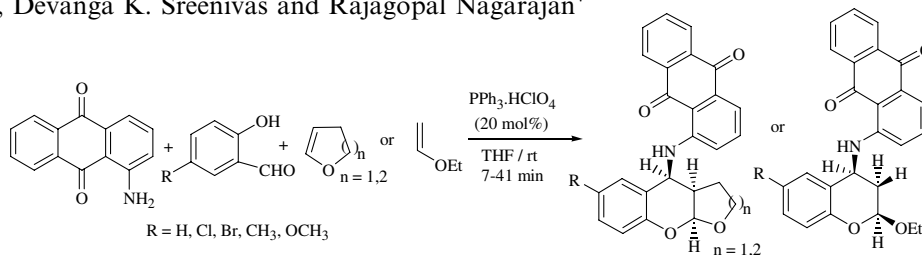
Qianli Chu, Wei Zhang* and Dennis P. Curran



A chiral fluorous imidazolidinone catalyst provides consistently high enantioselectivities in Diels–Alder reactions. The catalyst can be readily separated from the reaction mixture by fluorous solid-phase extraction (F-SPE), and recovered in excellent purity for direct reuse.

Highly diastereoselective synthesis of new chromenylaminoanthraquinones through a one-pot, three-component hetero Diels–Alder reaction pp 9291–9295

Vikram Gaddam, Devanga K. Sreenivas and Rajagopal Nagarajan*



A new and efficient, diastereoselective, one-pot synthesis of chromenylaminoanthraquinones derivatives through hetero Diels–Alder reaction of 1-aminoanthraquinone and salicylaldehydes with electron-rich alkenes is reported.

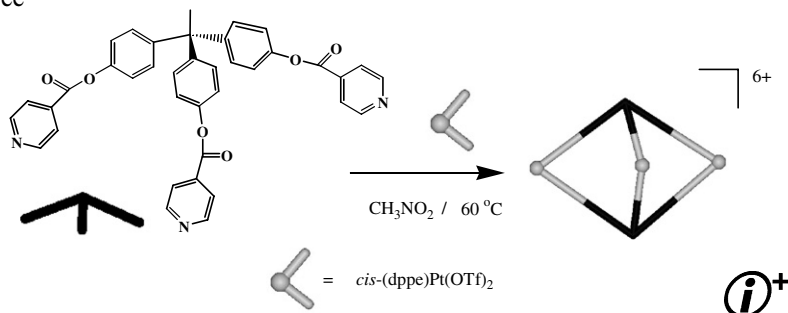


Design and synthesis of a Pt(II) nanoscopic trigonal bipyramidal cage using a new tripodal ester-containing ligand

pp 9297–9300

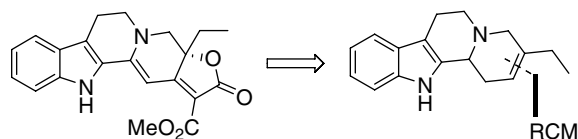
Sushobhan Ghosh and Partha Sarathi Mukherjee*

The synthesis of a new tripodal ester-containing ligand and its self-assembly into a Pt(II) nanoscopic 3D close framework are described.


A ring closing metathesis approach to the indole alkaloid mitralactonine

pp 9301–9303

Subhash P. Chavan,* Pallavi Sharma, R. Sivappa and Uttam R. Kalkote

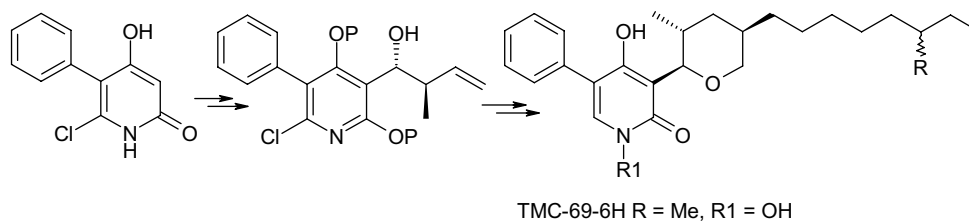


An efficient utilisation of RCM leading to a convenient synthesis of a pentacyclic indole alkaloid is described.

New strategy for the synthesis of phosphatase inhibitors TMC-69-6H and analogs

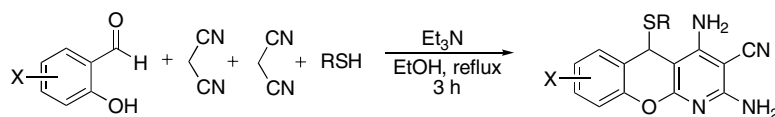
pp 9305–9308

Nicolas Brondel, Brigitte Renoux* and Jean-Pierre Gesson


Convenient one-step synthesis of a medicinally relevant benzopyranopyridine system

pp 9309–9312

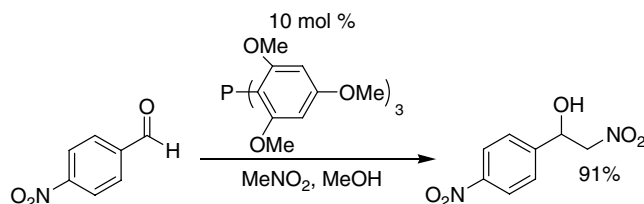
Nikolai M. Evdokimov, Artem S. Kireev, Andrey A. Yakovenko, Mikhail Yu. Antipin, Igor V. Magedov* and Alexander Kornienko*



Phosphine-catalyzed nitroaldol reactions

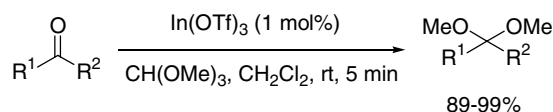
pp 9313–9316

Jason A. Weeden and John D. Chisholm*

**Indium triflate mediated acetalization of aldehydes and ketones**

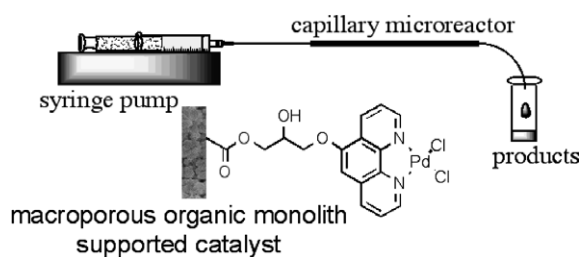
pp 9317–9319

Brendan M. Smith and Andrew E. Graham*

**Macroporous monolith supports for continuous flow capillary microreactors**

pp 9321–9324

Katrina F. Bolton, Allan J. Canty, Jeremy A. Deverell, Rosanne M. Guijt,* Emily F. Hilder, Thomas Rodemann and Jason A. Smith*

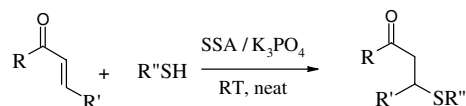


A new flow-through microreactor device utilises a macroporous monolith for supporting palladium catalysts for organic synthesis.

Potassium phosphate or silica sulfuric acid catalyzed conjugate addition of thiols to α,β -unsaturated ketones at room temperature under solvent-free conditions

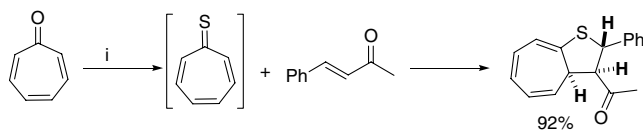
pp 9325–9328

D. M. Pore,* M. S. Soudagar, U. V. Desai,* T. S. Thopate and P. P. Wadagaonkar



Potassium phosphate and silica sulfuric acid have been found to be useful, highly efficient catalysts for conjugate addition of thiols to α,β -unsaturated ketones under solvent-free conditions, at room temperature. Silica sulfuric acid (SSA) was found to be suitable for electron-deficient enones while potassium phosphate was found to effect thia-Michael addition with both electron-deficient and electron-rich conjugated ketones.

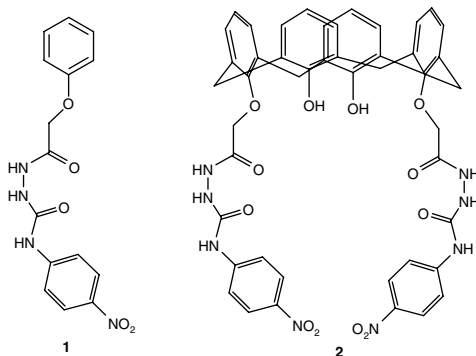
A novel protocol for the generation of trophione and its trapping with electron deficient dienophiles pp 9329–9331
 Vijay Nair,* K. G. Abhilash and Eringathodi Suresh



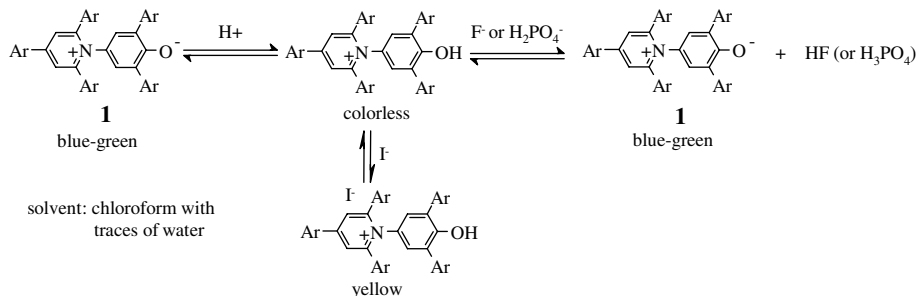
i. Lawesson's reagent, benzene, rt

Anion sensing using colorimetric amidourea based receptors incorporated into a 1,3-disubstituted calix[4]arene pp 9333–9338

Eoin Quinlan, Susan E. Matthews* and Thorfinnur Gunnlaugsson*

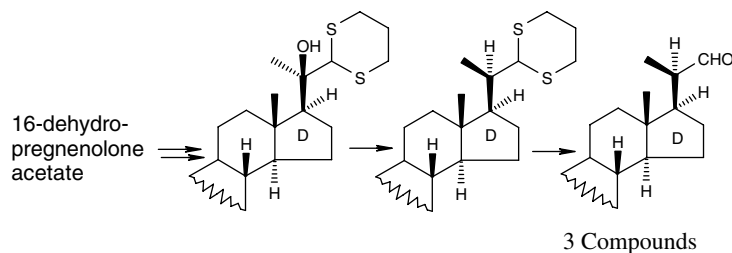


An anionic chromogenic sensor based on protonated Reichardt's pyridiniophenolate pp 9339–9342
 Dalci C. Reis, Clodoaldo Machado and Vanderlei G. Machado*



Stereoselective syntheses of unnatural steroidal C(20R) aldehydes by ionic hydrogenation of C-20 tertiary alcohols pp 9343–9347

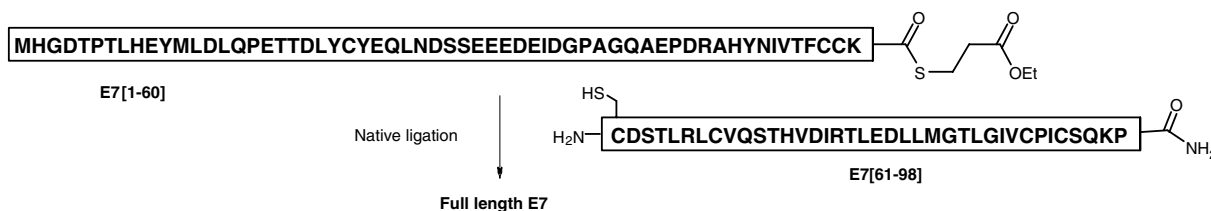
Bapurao B. Shingate, Braja G. Hazra,* Vandana S. Pore, Rajesh G. Gonnade and Mohan M. Bhadbhade



Chemical synthesis of the HPV16 E7 protein

pp 9349–9352

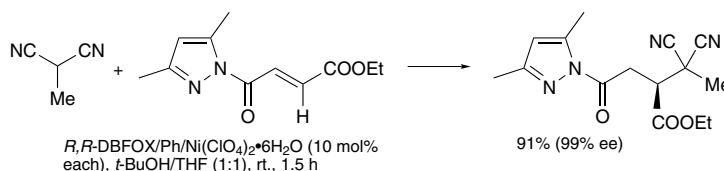
Dmitri V. Filippov, Marij J. P. Welters, A. Rob P. M. Valentijn, Cornelis J. M. Melief, Gijsbert A. van der Marel, Sjoerd H. van der Burg, Herman S. Overkleeft and Jan W. Drijfhout*



Double catalytic enantioselective Michael addition reactions of tertiary nucleophile precursors—tertiary/ quaternary and quaternary/quaternary carbon–carbon bond formations

pp 9353–9357

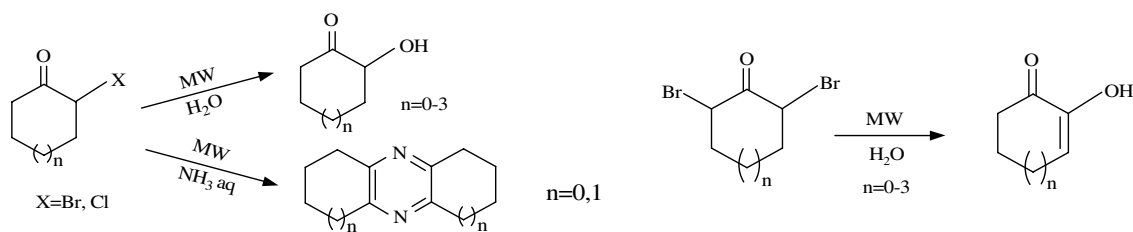
Hiroshi Yanagita, Kazuhiro Kodama and Shuji Kanemasa*



Microwave-assisted synthesis of α -hydroxy ketone and α -diketone and pyrazine derivatives from α -halo and α,α' -dibromo ketone

pp 9359–9364

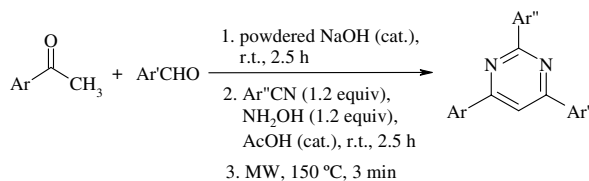
Takamitsu Utsukihara, Hiroaki Nakamura, Masashige Watanabe and C. Akira Horiuchi*



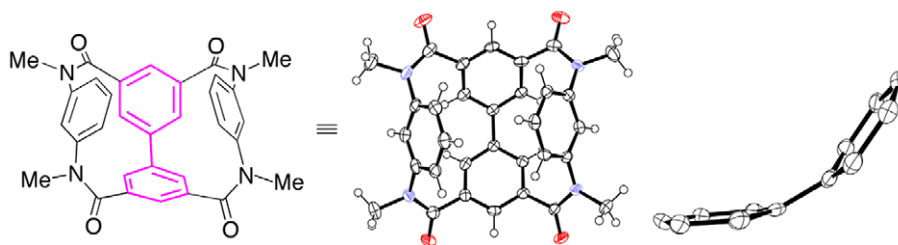
Microwave-assisted simple, one-pot, four-component synthesis of 2,4,6-triarylpyrimidines under solvent-free conditions

pp 9365–9368

Mehdi Adib,* Niusha Mahmoodi, Mohammad Mahdavi and Hamid Reza Bijanzadeh



Construction of anomalously bent biphenyl structure using conformational properties of calix[4]amide pp 9369–9371
Masahide Tominaga, Terutaka Hatano, Masanobu Uchiyama, Hyuma Masu, Hiroyuki Kagechika and Isao Azumaya*



OTHER CONTENTS

Corrigendum

p 9373

*Corresponding author

Supplementary data available via ScienceDirect

Available online at www.sciencedirect.com



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®



ELSEVIER

ISSN 0040-4039