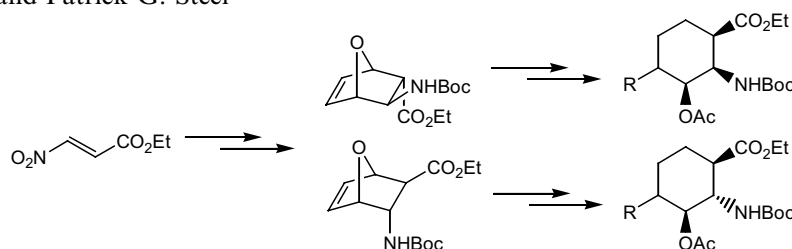


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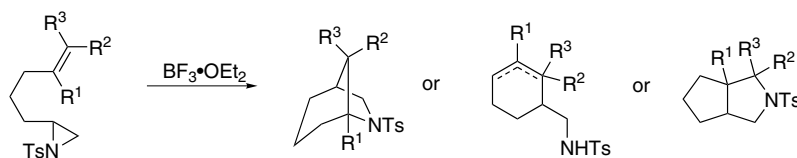
Ishmael B. Masesane* and Patrick G. Steel



Intramolecular cyclization reactions of aziridines with π -nucleophiles

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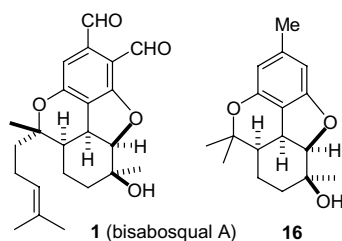
Stephen C. Bergmeier,* Steven J. Katz, Junfeng Huang, Howard McPherson, Patrick J. Donoghue and Damon D. Reed



Synthesis of the tetracyclic core of the bisabosquals

pp 5015–5018

Barry B. Snider* and Mercedes Lobera

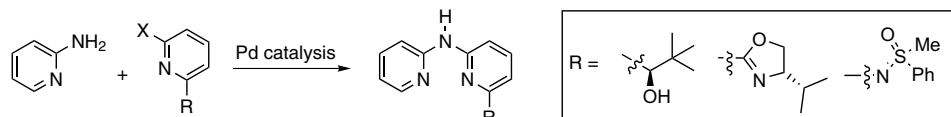


The tetracyclic core **16** of bisabosqual A (**1**) was prepared by a short sequence.

Synthesis of chiral 2,2'-dipyridylamines and their use in the copper-catalyzed asymmetric allylic oxidation of cyclohexene

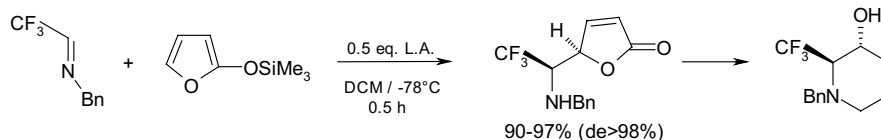
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Carsten Bolm,* Jean-Cédric Frison, Jacques Le Paih and Christian Moessner


Vinylogous Mannich reactions. Additions of trimethylsilyloxyfuran to fluorinated aldimines

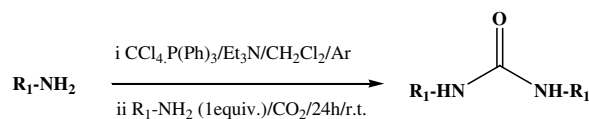
pp 5023–5025

Maria Vittoria Spanedda, Michèle Ourévitich, Benoit Crousse,* Jean-Pierre Bégue and Danièle Bonnet-Delpon*


The modified 'phosphine imide' reaction: a safe and soft alternative ureas synthesis

pp 5027–5029

Stanislaw Porwanski, Stephane Menuel, Xavier Marsura and Alain Marsura*

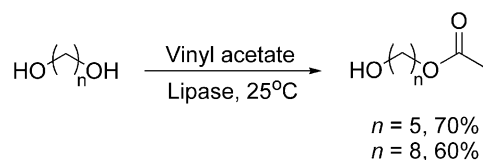


A modified 'phosphine imide reaction' is described as a safe, easy and efficient route to convert primary amines and L-aminoesters into corresponding ureas.

Lipase-catalysed selective monoacylation of 1,n-diols with vinyl acetate

pp 5031–5033

Victoria Framis, Francisco Camps and Pere Clapés*

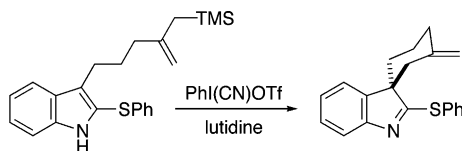


A simple enzymatic methodology for the selective monoacylation of 1,n-diols ($n = 5, 8$) using immobilised *Thermomyces lanuginosus* lipase in different organic media is reported.

Use of Stang's reagent, PhI(CN)OTf, to promote Pummerer-like oxidative cyclization of 2-(phenylthio)indoles

pp 5035–5037

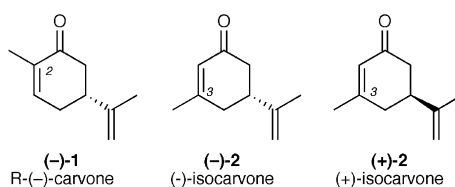
Ken S. Feldman* and Daniela Boneva Vidulova



Synthesis of (+)- and (–)-isocarvone

pp 5039–5041

Miguel A. González, Subhash Ghosh, Fatima Rivas, Derek Fischer and Emmanuel A. Theodorakis*

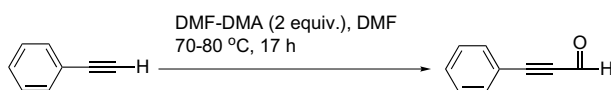


The first synthesis of isocarvone (+)-2 and (-)-2 starting from commercially available R-(-)-carvone is described. These materials provide new chiral building blocks that could be used in total synthesis of natural products and related optically active compounds of interest.

Convenient synthesis of arylpropargyl aldehydes and 4-aryl-3-butyn-2-ones from arylacetylenes and amide acetals

pp 5043–5046

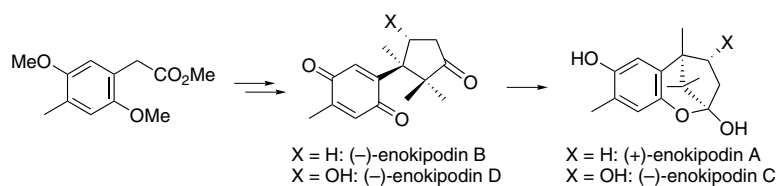
Ka Young Lee, Mi Jung Lee, Saravanan GowriSankar and Jae Nyoung Kim*



Enantioselective total synthesis of enokipodins A–D

pp 5047–5049

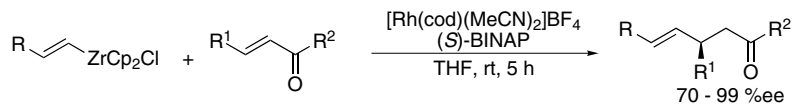
Shigefumi Kuwahara* and Mana Saito



Asymmetric 1,4-addition of alkenylzirconium reagents to α,β -unsaturated ketones catalyzed by chiral rhodium complexes

pp 5051–5055

Shuichi Oi,* Takashi Sato and Yoshio Inoue*

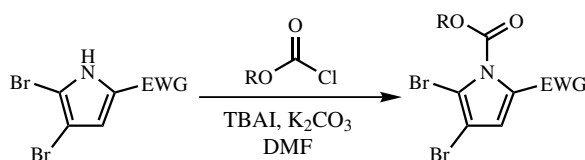


Highly enantioselective 1,4-addition of alkenylzirconocene chlorides to α,β -enones was found to be catalyzed by a chiral rhodium complex generated from $[Rh(cod)(MeCN)_2]BF_4$ and (*S*)-BINAP.

Protection of poorly nucleophilic pyrroles

pp 5057–5060

Scott T. Handy,* Jesse J. Sabatini, Yanan Zhang and Inessa Vulfova

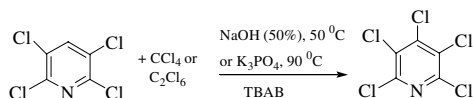


A convenient method for the introduction of carbamate protecting groups on the ring nitrogen of electron-deficient pyrroles has been developed.

Mild electrophilic halogenation of chloropyridines using CCl_4 or C_2Cl_6 under basic phase transfer conditions

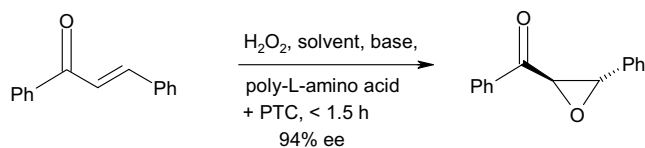
pp 5061–5063

Ashutosh V. Joshi, Mubeen Baidossi, Nida Qafisheh, Elsa Chachashvili and Yoel Sasson*

**Novel conditions for the Juliá–Colonna epoxidation reaction providing efficient access to chiral, nonracemic epoxides**

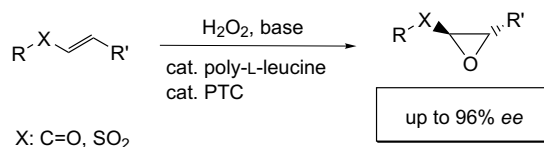
pp 5065–5067

Thomas Geller, Arne Gerlach, Christa M. Krüger and H.-Christian Militzer*

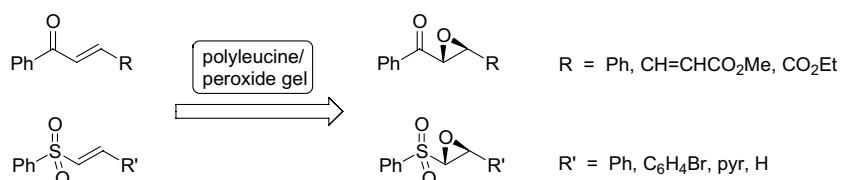


Scoping the triphasic/PTC conditions for the Juliá–Colonna epoxidation reaction
pp 5069–5071

Thomas Geller,* Christa M. Krüger and H.-Christian Miltzer


Asymmetric epoxidation of some arylalkenyl sulfones using a modified Juliá–Colonna procedure
pp 5073–5075

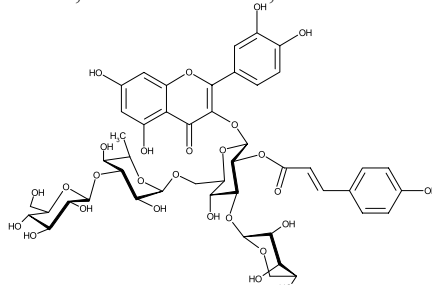
Jose-Maria Lopez-Pedrosa, Michael R. Pitts, Stanley M. Roberts,* Shanthini Saminathan and John Whittall



A polyamino acid/peroxide-containing gel efficiently oxidizes a selection of α,β -unsaturated ketones and arylvinyl sulfones to furnish the corresponding optically active epoxides having good to excellent optical purity.

A novel acylated quercetin tetraglycoside from oolong tea (*Camelia sinensis*) extracts
pp 5077–5080

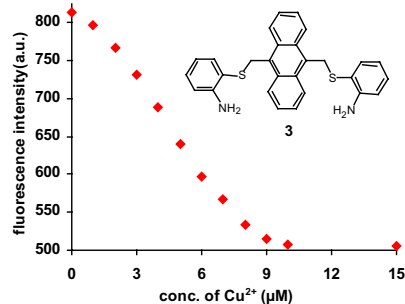
Rie Mihara, Tohru Mitsunaga,* Yuko Fukui, Masaaki Nakai, Nahoko Yamaji and Hiroshi Shibata



A novel acylated quercetin tetraglycoside namely quercetin 3-*O*-(2-*G*-*p*-coumaroyl-3-*G*-*O*- β -L-arabinosyl-3-*R*-*O*- β -D-glucosylrutinoside) was isolated from oolong tea extracts.

Photoactive chemosensors 4: a Cu²⁺ protein cavity mimicking fluorescent chemosensor for selective Cu²⁺ recognition
pp 5081–5085

Sukhdeep Kaur and Subodh Kumar*

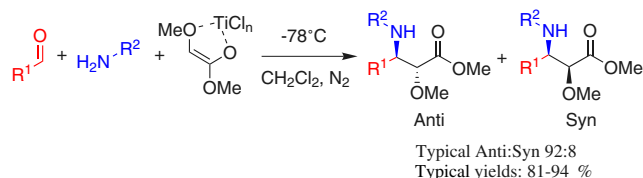


Fluorescent chemosensor **3** can sense Cu²⁺ ions (1–8 μM) even in the presence of elevated levels of Ni²⁺, Cd²⁺, Zn²⁺, Hg²⁺, Ag⁺ and Pb²⁺ (5000 μM).

A stereoselective, multiple-component approach to α - β -substituted- β -amino carbonyl derivatives

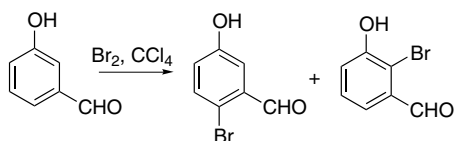
pp 5087–5090

Avrum L. Joffe, Timothy M. Thomas and James C. Adrian, Jr.*

**Unforeseen formation of 2-bromo-3-hydroxybenzaldehyde by bromination of 3-hydroxybenzaldehyde**

pp 5091–5094

Willem A. L. van Otterlo, Joseph P. Michael, Manuel A. Fernandes and Charles B. de Koning*

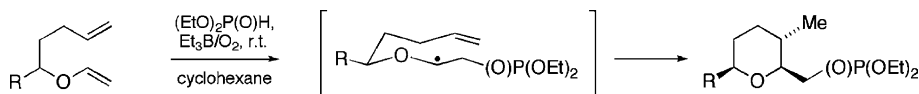


Contrary to literature reports, bromination of 3-hydroxybenzaldehyde can afford both 2-bromo-5-hydroxybenzaldehyde and 2-bromo-3-hydroxybenzaldehyde. The latter was converted into 2-(benzyloxy)-1-bromo-5-methoxy-7-methylnaphthalene.

Phosphonyl radical addition to enol ethers. The stereoselective synthesis of cyclic ethers

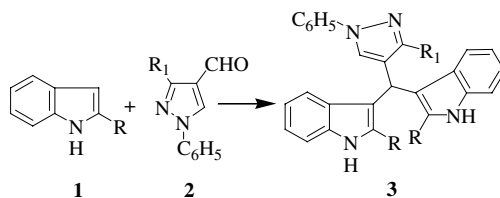
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Christopher M. Jessop, Andrew F. Parsons,* Anne Routledge and Derek J. Irvine

**Amberlyst 15 catalyzed synthesis of indole-pyrazole based tri(hetero)arylmethanes**

pp 5099–5102

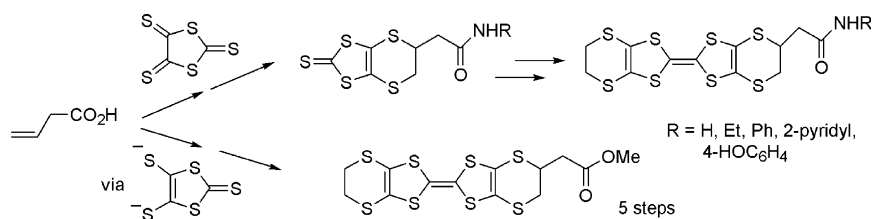
Farhanullah, Ashoke Sharon, Prakas R. Maulik and Vishnu Ji Ram*



Synthesis of BEDT-TTF derivatives with carboxylic ester and amide functionalities

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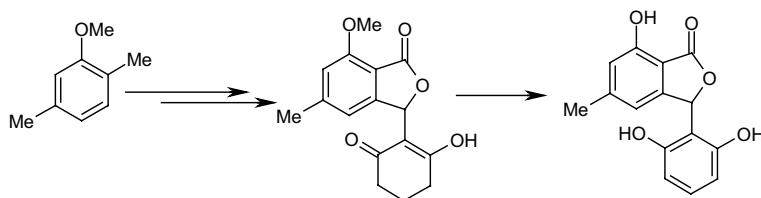
R. James Brown, Gemma Camarasa, Jon-Paul Griffiths, Peter Day and John D. Wallis*



Regiospecific synthesis of isopestacin, a naturally occurring isobenzofuranone antioxidant

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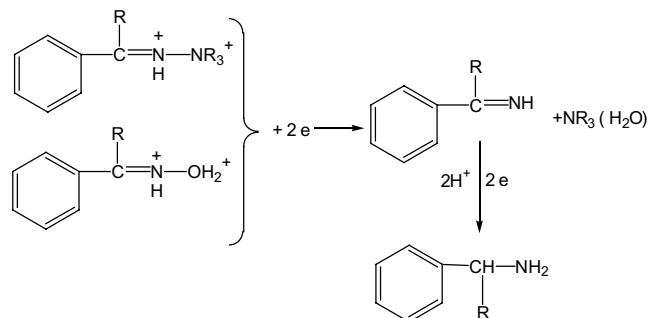
Pallab Pahari, Bidyut Senapati and Dipakranjan Mal*



Diprotonated hydrazones and oximes as reactive intermediates in electrochemical reductions

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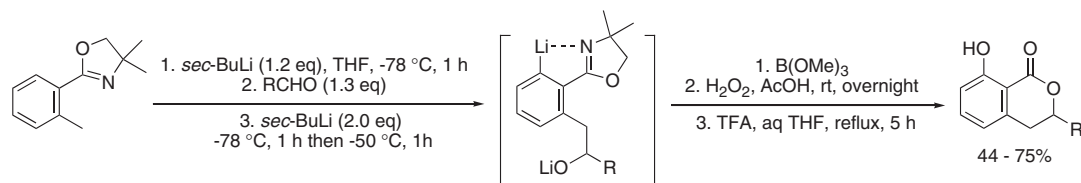
M. S. Baymak, H. Celik, J. Ludvik, H. Lund and P. Zuman*



Synthesis of 3-substituted 8-hydroxy-3,4-dihydroisocoumarins via successive lateral and ortho-lithiations of 4,4-dimethyl-2-(o-tolyl)oxazoline

pp 5117–5120

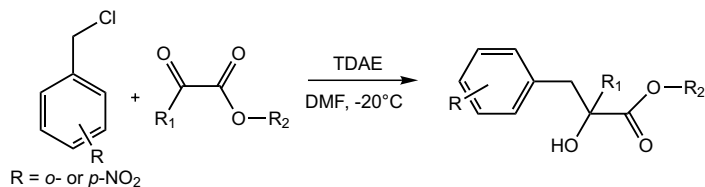
Naruki Tahara, Tsutomu Fukuda and Masatomo Iwao*



Nitrobenzylation of α -carbonyl ester derivatives using TDAE approach

pp 5121–5124

Gamal Giuglio-Tonolo, Thierry Terme, Maurice Médebielle and Patrice Vanelle*

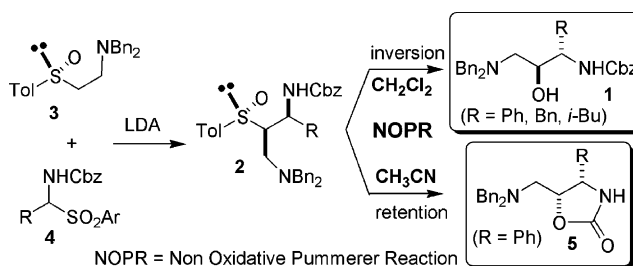


A series of 2-hydroxy-propionic acid ethyl ester derivatives was prepared in good yields by reaction of *o*- and *p*-nitrobenzyl chlorides (**1**, **8**) with various α -carbonyl esters in presence of tetrakis(dimethylamino) ethylene (TDAE).

Stereocontrolled synthesis of hydroxyethylamine isosteres via chiral sulfoxide chemistry

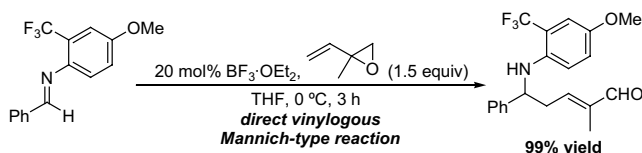
pp 5125–5129

Cristina Pesenti, Alberto Arnone, Paolo Arosio, Massimo Frigerio, Stefano V. Meille, Walter Panzeri, Fiorenza Viani and Matteo Zanda*

**Activation and stabilization of aldimines by an *ortho*-trifluoromethyl substituent in direct vinylogous Mannich-type reactions**

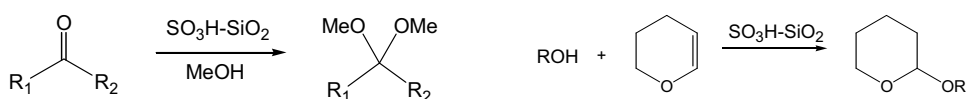
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Mark Lautens,* Eiji Tayama and Duy Nguyen

**SO₃H-functionalized silica for acetalization of carbonyl compounds with methanol and tetrahydropyranylation of alcohols**

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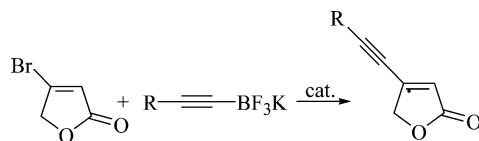
Ken-ichi Shimizu,* Eidai Hayashi, Tsuyoshi Hatamachi, Tatsuya Kodama and Yoshie Kitayama



Syntheses of 4-(1-alkynyl)-2(5H)-furanones and coumarins via the palladium catalyzed cross-coupling reactions of potassium alkynyltrifluoroborates

pp 5139–5141

George W. Kabalka,* Gang Dong and Bollu Venkataiah

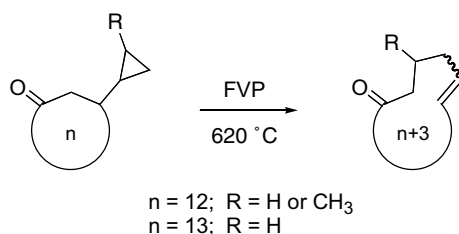


An efficient synthesis of 4-(1-alkynyl)-2(5H)-furanones utilizing a palladium catalyzed coupling reaction of β -tetronic acid bromide with potassium alkynyltrifluoroborates has been developed.

Cyclopropylcarbinyl radicals as three-carbon insertion units: easy synthesis of C-15 macrocyclic ketones by three-carbon ring expansion

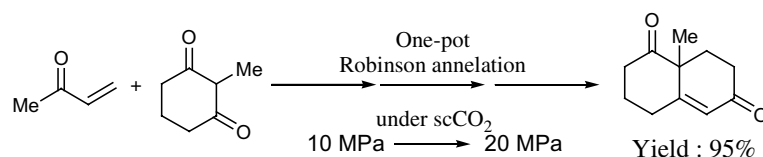
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Georg Rüedi* and Hans-Jürgen Hansen


Promotion of one-pot Robinson annelation achieved by gradual pressure and temperature manipulation under supercritical conditions

pp 5147–5150

Hajime Kawanami* and Yutaka Ikushima

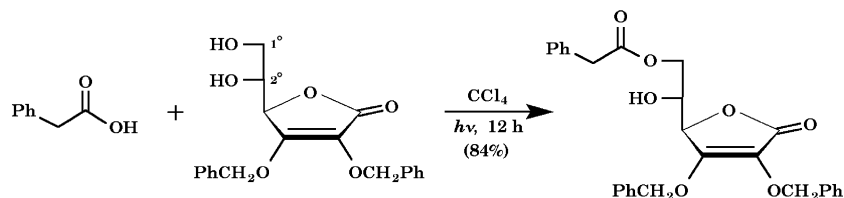


The one-pot Robinson annelation from 2-methyl-cyclohexane-1,3-dione with 3-buten-2-one can be achieved in high yield (95%) and high selectivity (95%) by pressure and temperature manipulation using supercritical carbon dioxide in the presence of MgO catalyst, whose method could be applied for various ketones to synthesize fused polycyclic compounds.

Efficient photolytic esterification of carboxylic acids with alcohols in perhalogenated methane

pp 5151–5154

Jih Ru Hwu,* Chuan-Yi Hsu and Moti L. Jain

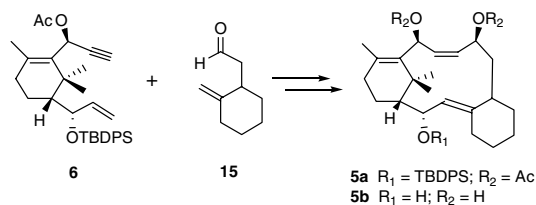


Esterification of carboxylic acids with various alcohols can be accomplished efficiently in CCl_4 by irradiation of the solution with UV light.

**Studies toward Taxuspine X, a potent multidrug-resistance reversing agent,
via ring closing metathesis strategy**

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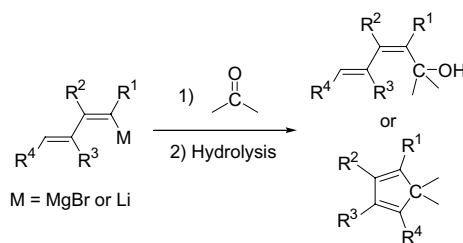
Michela L. Renzulli, Luc Rocheblave, Stanislava Avramova, Federico Corelli and Maurizio Botta*



**Concise synthesis of stereodefined dienols and cyclopentadienes via direct addition of
1-bromomagnesiobutadienes and 1-lithiobutadienes to carbonyl compounds**

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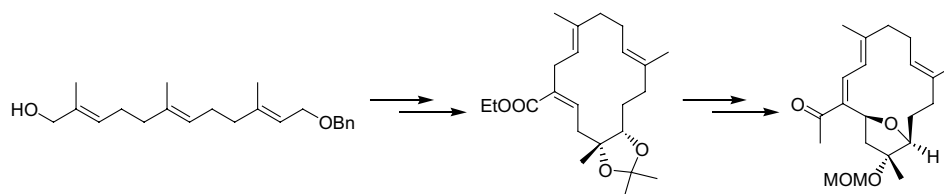
Hongyun Fang, Qiuling Song, Zhihui Wang and Zhenfeng Xi*



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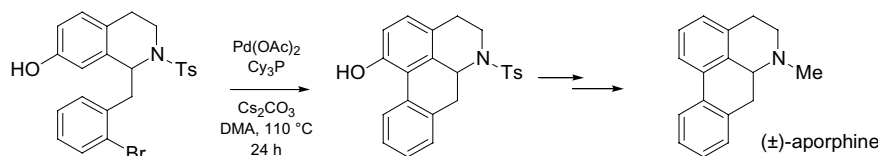
Peng Liu and Xingxiang Xu*



**Synthesis of (±)-aporphine utilizing Pictet–Spengler and intramolecular phenol
ortho-arylation reactions**

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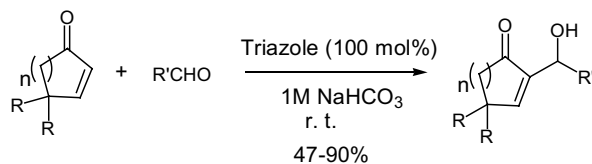
Gregory D. Cuny*



The azoles: effective catalysts for Baylis–Hillman reaction in basic water solution

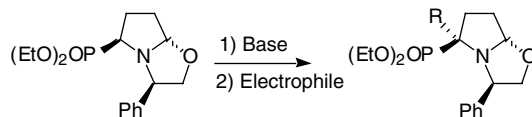
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Sanzhong Luo, Xueling Mi, Peng George Wang and Jin-Pei Cheng*

**Self-reproduction of chirality on α -aminophosphonates: asymmetric synthesis of α -alkylated diethyl pyrrolidin-2-yl-phosphonate**

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Mohamed Amedjkouh* and Kristina Westerlund




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*Corresponding author

+ Supplementary data available via ScienceDirect

COVER

The figure is derived from the paper *peri*-Interaction between diarylmethyl and diarylmethylum units in 1,8-disubstituted naphthalenes: preference of localized structure for the C–H bridged carbocation by Hidetoshi Kawai, Takayuki Nagasu, Takashi Takeda, Kenshu Fujiwara, Takashi Tsuji, Masakazu Ohkita, Jun-ichi Nishida and Takanori Suzuki, *Tetrahedron Letters* **2004**, 23, 4553–4558.

Preference of the localized structure with a short contact of C–H···C⁺ rather than the delocalized 3-centered-2-electron bond was evidenced by the low-temperature X-ray analysis of the C–H bridged carbocation.

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