

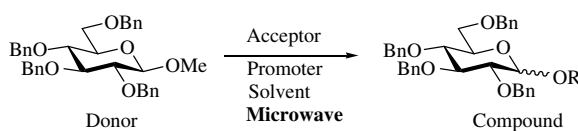
Contents

COMMUNICATIONS

A novel glycosylation concept; microwave-assisted acetal-exchange type glycosylations from methyl glycosides as donors

pp 4701–4705

Yayoi Yoshimura, Hiroki Shimizu,* Hiroshi Hinou and Shin-Ichiro Nishimura

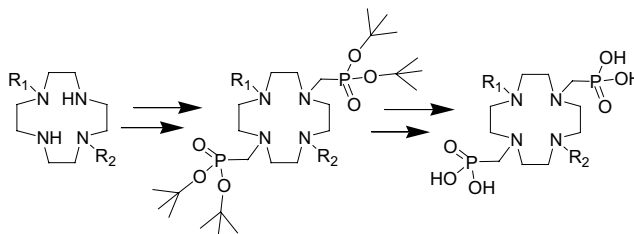


Efficient microwave-assisted glycosylations from methyl glucopyranosides are described.

Expedition synthesis of 'P'-protected macrocycles en route to lanthanide chelate metal complexes

pp 4707–4710

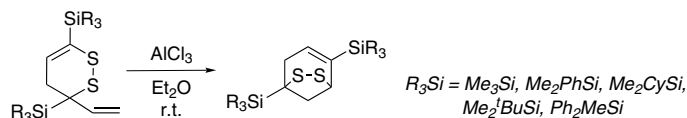
H. Charles Manning, Mingfeng Bai, Bernard M. Anderson, Rafal Lisiak,
Lynn E. Samuelson and Darryl J. Bornhop*



Unusual chemical behaviour of silylated 1,2-dithiins under Lewis acid conditions

pp 4711–4713

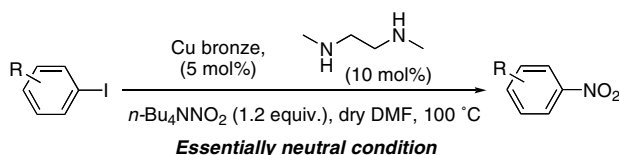
Alessandro Degl'Innocenti,* Antonella Capperucci,* Irene Malesci and Giulio Castagnoli



Copper-catalyzed coupling of aryl halides and nitrite salts: a mild Ullmann-type synthesis of aromatic nitro compounds

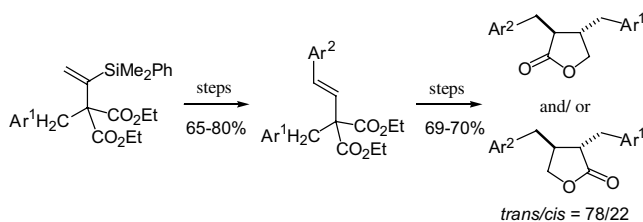
pp 4715–4717

Shinichi Saito* and Yuichiro Koizumi


A novel approach to functionalized (*E*)-1,4-diaryl-1-butenes by Heck reaction and their applications for the construction of dibenzylbutyrolactone lignan skeletons by radical cyclization

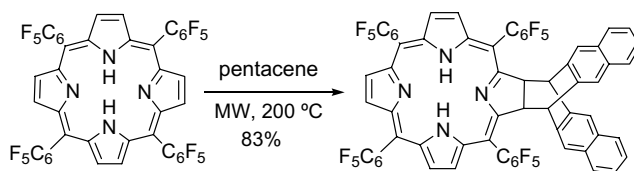
pp 4719–4722

Rekha Singh, Gobind C. Singh and Sunil K. Ghosh*


Porphyrins in Diels–Alder reactions. Improvements on the synthesis of barrelene-fused chlorins using microwave irradiation

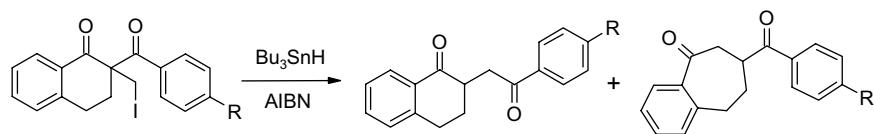
pp 4723–4726

Ana M. G. Silva, Augusto C. Tomé, Maria G. P. M. S. Neves, José A. S. Cavaleiro* and C. Oliver Kappe*


Free radical ring expansion and chain extension of 1,3-diketones

pp 4727–4729

Xue-Jun Mu, Jian-Ping Zou,* Zhi-Tao Wang and Wei Zhang*

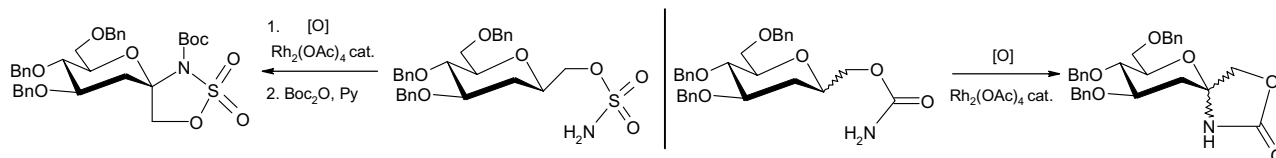


Free radical-induced one carbon ring expansion and chain extension are explored on the 1,3-diketones including 1,3-diarylpropane-1,3-diones and 2-aryl-3,4-dihydro-2*H*-naphalen-1-ones.

Intramolecular metal-catalyzed amination of pseudo-anomeric C–H bonds

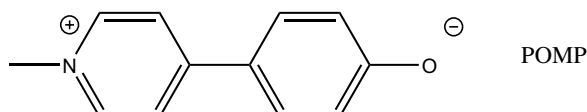
pp 4731–4735

Sylvestre Toumieux, Philippe Compain* and Olivier R. Martin

**Synthesis of 4-[N-methyl-4-pyridinium]-phenolate (POMP) and negative solvatochromism of this model molecule in view of nonlinear optical applications**

pp 4737–4740

Vincent Diemer, Hélène Chaumeil,* Albert Defoin, Patrice Jacques and Christiane Carré

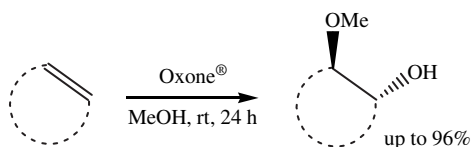


The zwitterionic molecule POMP is a model molecule in view of enhancing NLO properties.

A simple one-pot synthesis of β -alkoxy alcohols from alkenes

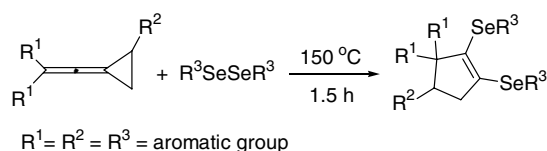
pp 4741–4743

Jean Le Bras,* Debabrata Chatterjee and Jacques Muzart

**Ring-opening reactions of arylvinylidenecyclopropanes with diaryl diselenide upon heating: formation of 1,2-diarylselenocyclopentene derivatives**

pp 4745–4748

Min Shi,* Jian-Mei Lu and Guang-Cai Xu



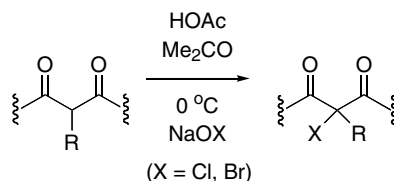
Arylvinylidenecyclopropanes undergo a novel reaction upon heating at 150 °C with diaryl diselenide to give the corresponding 1,2-diarylselenocyclopentene derivatives in good to high yields within 1.5 h.



An efficacious method for the halogenation of β -dicarbonyl compounds under mildly acidic conditions

pp 4749–4751

Matthew L. Meketa, Yogesh R. Mahajan and Steven M. Weinreb*

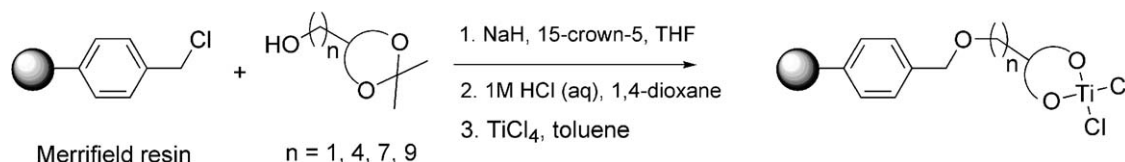


A variety of 1,3-diketones, β -ketoesters and malonates can be chlorinated in high yields using sodium hypochlorite in a 5:2 mixture of acetone/acetic acid at 0 °C for 1 h. Similarly, bromination of these dicarbonyl substrates can be accomplished under the same conditions using sodium hypobromite.

The synthesis and catalytic application of spacer-modified diol-functionalised Merrifield resins

pp 4753–4756

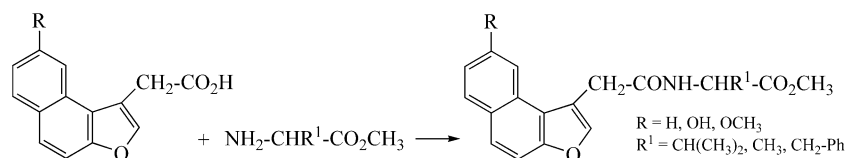
Philip W. Dyer,* Sandeep Handa,* Toby B. Reeve and Samuel Suhard



A naphtho[2,1-b]furan as a new fluorescent label: synthesis and spectral characterisation

pp 4757–4760

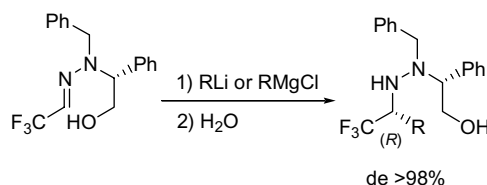
Ana M. Piloto, Susana P. G. Costa and M. Sameiro T. Gonçalves*



Highly diastereoselective addition of organometallic reagents to a trifluoroacetaldehyde hydrazone derived from (R)-N-benzylphenylglycinol

pp 4761–4764

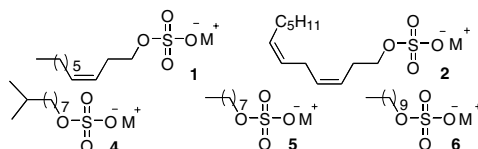
Stéphane Fries, Julien Pytkowicz and Thierry Brigaud*



Aliphatic sulfates released from *Daphnia* induce morphological defense of phytoplankton: isolation and synthesis of kairomones

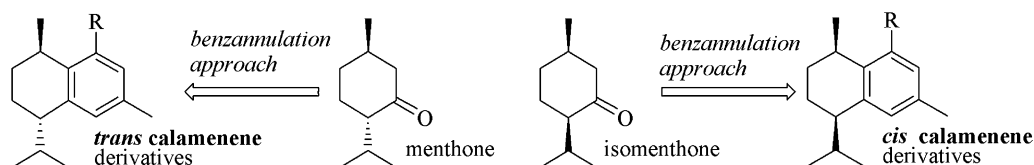
pp 4765–4767

Ko Yasumoto, Akinori Nishigami, Mina Yasumoto, Fumie Kasai, Yasuhiro Okada, Takenori Kusumi and Takashi Ooi*

Sulfates (**1–6**) isolated from *Daphnia pulex* induce morphological changes of phytoplankton at 10^{-9} g/mL concentrations.**Aromatic annulation on the *p*-menthane monoterpenes: enantiospecific synthesis of the *trans* and *cis* isomers of calamenene and 8-hydroxycalamenene**

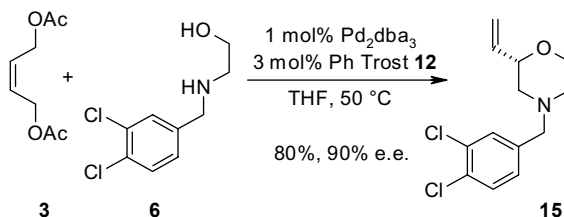
pp 4769–4772

Stefano Serra* and Claudio Fuganti

**Asymmetric synthesis of an aminomethyl morpholine via double allylic substitution**

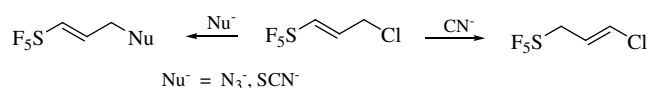
pp 4773–4775

Mark. C. Wilkinson*

An aminomethyl-substituted morpholine was prepared via vinyl morpholine **15**, itself the product of a palladium-catalysed double allylic substitution.**Unusual reactivity of 3-chloro-1-pentafluorosulfanylpropene in nucleophilic substitution reactions**

pp 4777–4779

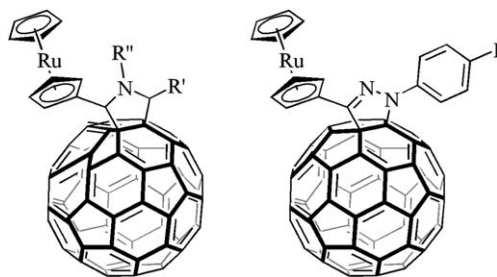
Igor V. Trushkov and Valery K. Brel*



Ruthenocene as a new donor fragment in [60]fullerene–donor dyads

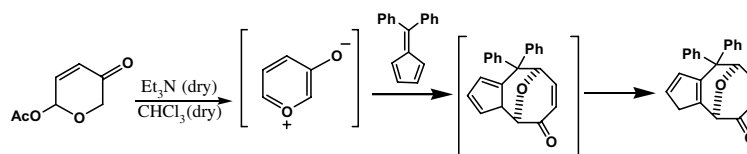
pp 4781–4784

Juan José Oviedo, Pilar de la Cruz, Javier Garín, Jesús Orduna and Fernando Langa*

**[6+3] Cycloaddition of fulvenes with 3-oxidopyrylium betaine: a novel methodology for the synthesis of fused cyclooctanoid natural products**

pp 4785–4788

K. V. Radhakrishnan,* K. Syam Krishnan, Mohan M. Bhadbhade and Gaurav V. Bhosekar

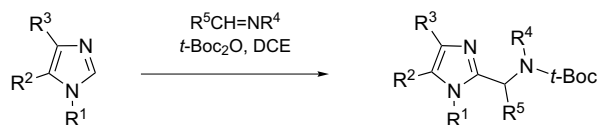


Fulvenes undergo an easy [6+3] cycloaddition with 3-oxidopyrylium betaines leading to 5–8 fused oxabridged cyclooctanoids.

Synthesis of 2-(α -substituted-amidoalkyl)-imidazoles

pp 4789–4792

Craig A. Zifcsak and Dennis J. Hlasta*

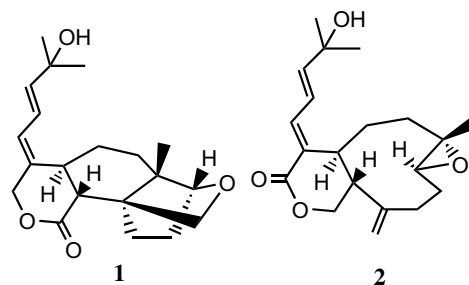


The addition reaction of in situ generated imidazolium ylides to electron-deficient imines affords orthogonally protected 2-(α -substituted-amidoalkyl)-imidazoles.

New xenicane diterpenoids from *Xenia florida*

pp 4793–4796

Ya-Ching Shen,* Yu-Chi Lin, Atallah F. Ahmed and Yao-Haur Kuo

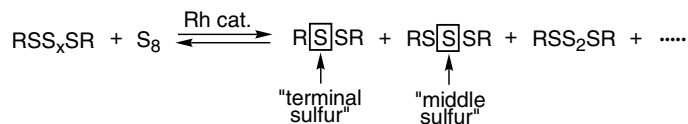


Three new xenicane diterpenoids, xeniolactones A (1), B (2), and C (3) were isolated from *Xenia florida* collected in Taiwan.

Rhodium-catalyzed sulfur atom exchange reaction between organic polysulfides and sulfur

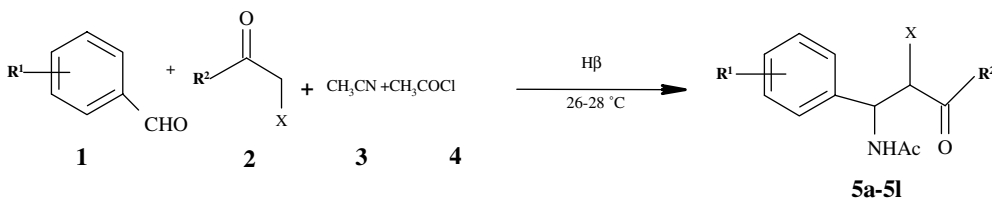
pp 4797–4800

Mieko Arisawa, Ken Tanaka and Masahiko Yamaguchi*

**A simpler and greener protocol for the preparation of β-acetylamino ketones by a one-pot reaction of aryl aldehydes, enolisable ketones, acetyl chloride and acetonitrile in the presence of zeolite Hβ as a reusable catalyst**

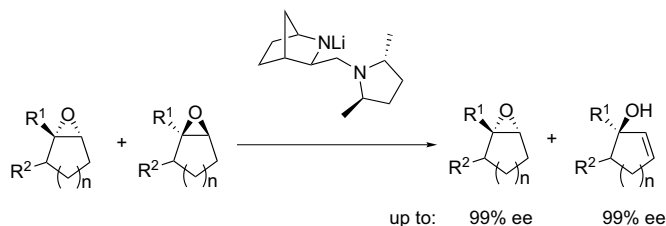
pp 4801–4803

Ramakrishna P. Bhat, Vivek P. Raje, Varughese M. Alexander, Sachin B. Patil and Shriniwas D. Samant*

**Kinetic resolution of racemic epoxides using a chiral diamine catalyst**

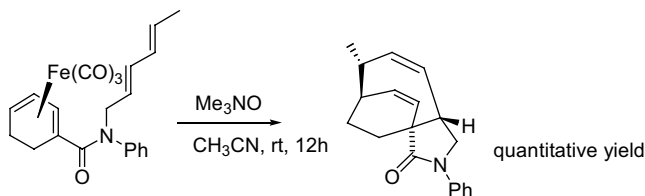
pp 4805–4807

Arnaud Gayet and Pher G. Andersson*

**A stereospecific intramolecular [4π+4π] cycloaddition reaction between tricarbonyliron-complexed cyclohexadiene and pendant dienes**

pp 4809–4811

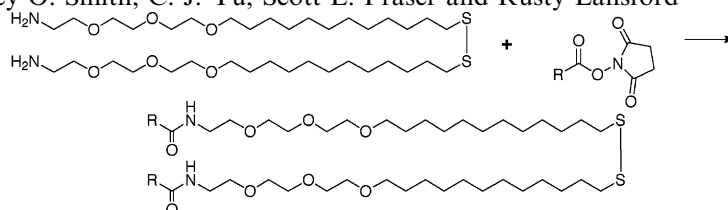
Anthony J. Pearson* and Xiaolong Wang



New syntheses for 11-(mercaptoundecyl)triethylene glycol and mercaptododecyltriethyleneoxy biotin amide

pp 4813–4816

Christie A. Canaria, Jeffrey O. Smith, C. J. Yu, Scott E. Fraser and Rusty Lansford*



R = protein, carbohydrates, biotin, other small molecules, etc.

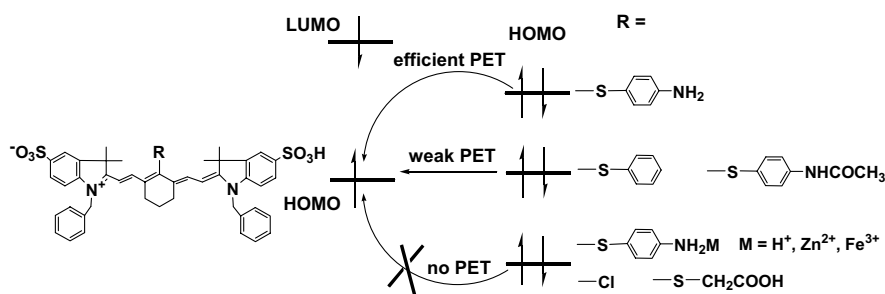
This synthesis presented here is for the attachment of biotin, but a variety of biomolecules may be grafted onto the aminotriethyleneoxydodecane disulfide. The product may be used subsequently to form self-assembled monolayers on gold surfaces.



Tuning the photoinduced electron transfer in near-infrared heptamethine cyanine dyes

pp 4817–4820

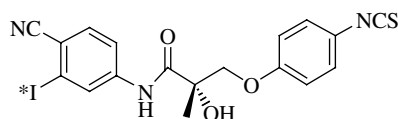
Fengling Song, Xiaojun Peng,* Erhu Lu, Yanan Wang, Wei Zhou and Jiangli Fan



Synthesis of irreversibly binding bicalutamide analogs for imaging studies

pp 4821–4823

Vipin A. Nair, Suni M. Mustafa, Michael L. Mohler, Jun Yang, Leonid I. Kirkovsky, James T. Dalton and Duane D. Miller*



OTHER CONTENTS

Contributors to this issue
Instructions to contributors

p I
pp III–VI

*Corresponding author

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CONTENTS
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