

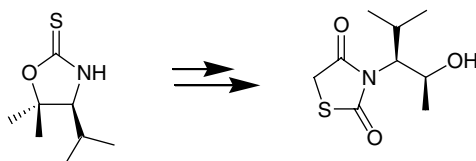
Contents

COMMUNICATIONS

Synthesis of *N*-substituted 2,4-thiazolidinediones from oxazolidinethiones

pp 7867–7870

Guadalupe Mendoza, Hector Hernández, Leticia Quintero, Martha Sosa-Rivadeneira, Sylvain Bernès,* Estibaliz Sansinenea and Aurelio Ortiz*

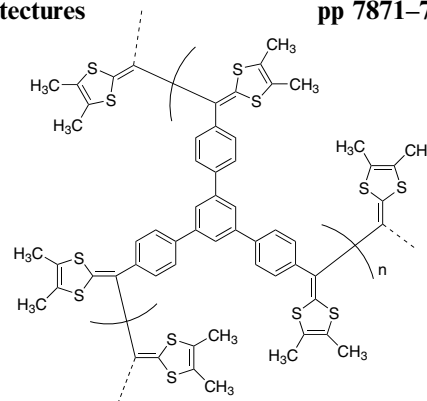


Probing the conformational changes upon oxidation in cross-conjugated architectures featuring vinylogous TTF units

pp 7871–7875

Rory Berridge, Peter J. Skabara,* Raquel Andreu, Javier Garín, Jesús Orduna and Marta Torra

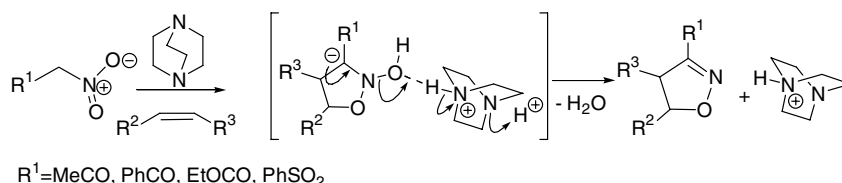
We report the synthesis and electropolymerisation of 1,3,5-tris(1,3-dithiole-2-ylidenephénylene)benzene **4**. The resulting polymer features extended tetrathiafulvalene (TTF) units and can be considered as a cross-conjugated, cross-linked structure. Upon p-doping, electrochemical and UV–vis spectroelectrochemical experiments indicate that the polymer undergoes a unique conformational change within the dendralene unit from one definitive orthogonal arrangement to another.



Isoxazoline derivatives from activated primary nitrocompounds and tertiary diamines

pp 7877–7879

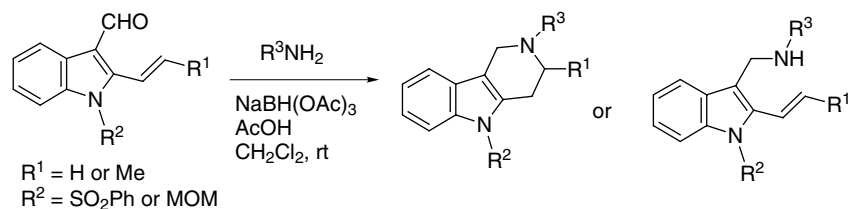
Luca Cecchi, Francesco De Sarlo* and Fabrizio Machetti*



Preparation of RCM substrates for azepinoindole synthesis: reductive amination versus tetrahydro- γ -carboline formation

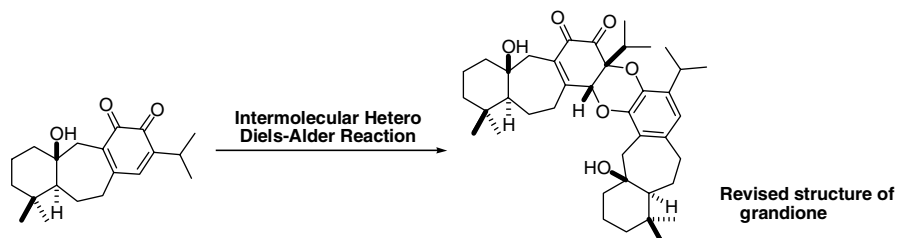
pp 7881–7884

M.-Lluïsa Bennasar,* Ester Zulaica and Sandra Alonso



Biomimetic synthesis of grandione from demethylsalvicanol via hetero-Diels–Alder type dimerization and structure revision of grandione

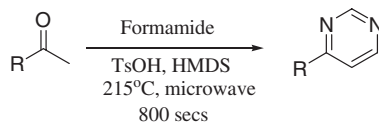
pp 7885–7887

Yutaka Aoyagi, Yoshinao Takahashi, Yudai Satake, Haruhiko Fukaya, Koichi Takeya,*
Ritsuo Aiyama, Takeshi Matsuzaki, Shusuke Hashimoto, Tsutomu Shiina and Teruo Kurihara

Synthesis of pyrimidines from ketones using microwave irradiation

pp 7889–7891

Sriram Tyagarajan* and Prasun K. Chakravarty

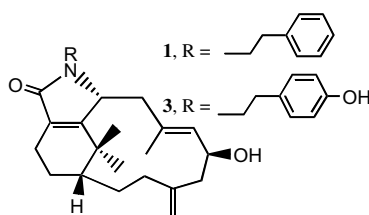


Under microwave irradiation, aromatic, heteroaromatic, and aliphatic ketones reacted with formamide and HMDS to give pyrimidines in good yields.

Cespitulactams A, B, and C, three new nitrogen-containing diterpenes from *Cespitularia taeniata* May

pp 7893–7897

Ya-Ching Shen,* Yun-Sheng Lin, Yao-Haur Kuo and Yuan-Bin Cheng

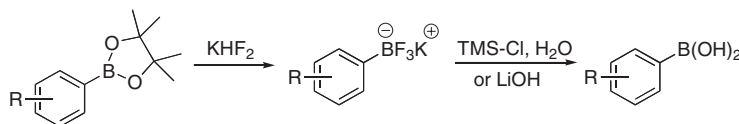


Three new nitrogen-containing diterpenoids, designated as cespitulactams A (1), B (2), and C (3), were isolated from *Cespitularia taeniata* May.

Deprotection of pinacolyl boronate esters via hydrolysis of intermediate potassium trifluoroborates

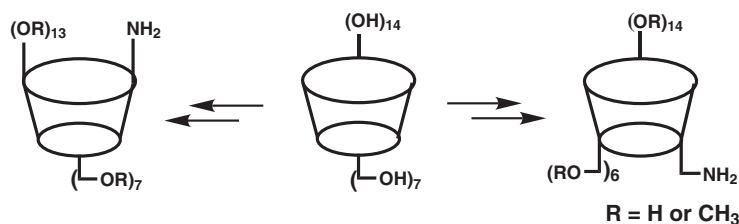
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Alexander K. L. Yuen and Craig A. Hutton*

**A reliable synthesis of 2- and 6-amino- β -cyclodextrin and permethylated- β -cyclodextrin**

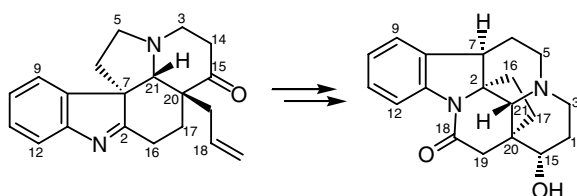
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I. Wayan Muderawan, Teng Teng Ong, Teck Chia Lee, David J. Young,* Chi Bun Ching and Siu Choon Ng*

**Towards schizozygine: synthesis of 15 α -hydroxystrempeliopine**

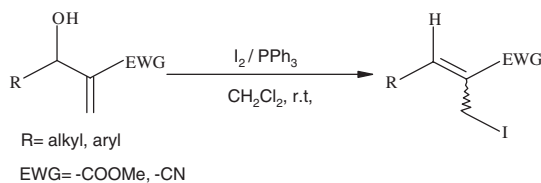
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Tomáš Pilarčík, Jaroslav Havlíček and Josef Hájíček*

**A highly efficient stereoselective synthesis of (*Z*)- and (*E*)-allyl iodides from Baylis–Hillman adducts**

pp 7913–7915

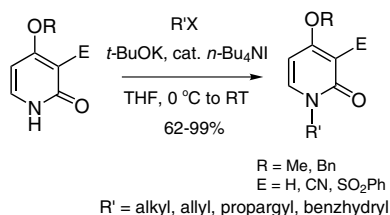
Biswanath Das,* Anjoy Majhi, Joydeep Banerjee, Nikhil Chowdhury and Katta Venkateswarlu



A practical procedure for the selective *N*-alkylation of 4-alkoxy-2-pyridones and its use in a sulfone-mediated synthesis of *N*-methyl-4-methoxy-2-pyridone

pp 7917–7920

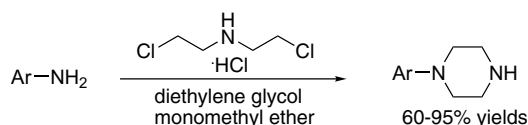
David Conreux, Emmanuel Bossharth, Nuno Monteiro,* Philippe Desbordes and Geneviève Balme*



A general and convenient synthesis of *N*-aryl piperazines

pp 7921–7922

Kevin G. Liu* and Albert J. Robichaud

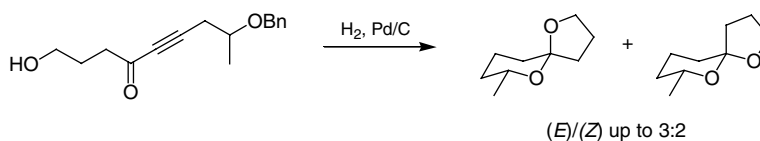


A general and convenient synthesis of *N*-aryl piperazines from bis(2-chloroethyl)amine hydrochloride and a broad range of anilines in diethylene glycol monomethyl ether is described.

A convenient access to thermodynamically nonstabilised spiroketal isomers: the first synthesis of (*Z*)-7-methyl-1,6-dioxaspiro[4.5]decane

pp 7923–7926

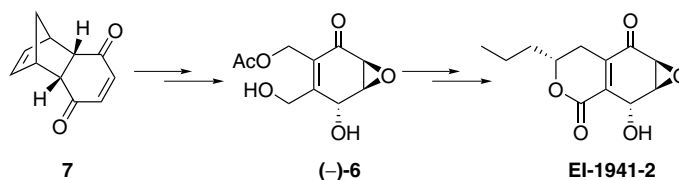
Jan Doubek, David Šaman, Jiří Zedník, Soňa Vašíčková and Bohumír Koutek*



Enantioselective total synthesis of the polyketide natural product (–)-EI-1941-2: a novel interleukin-1β converting enzyme (ICE) inhibitor

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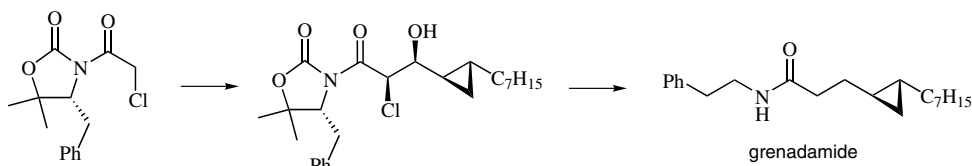
Goverdhan Mehta* and Subhrangsu Roy



An efficient asymmetric synthesis of grenadamide

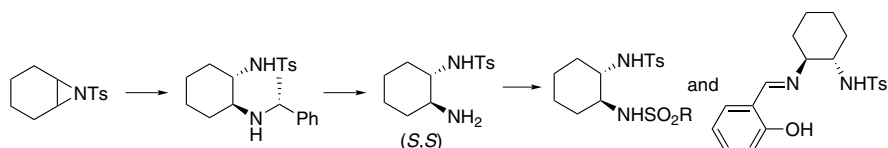
pp 7931–7934

Rachel Green, Matt Cheeseman, Sarah Duffill, Andy Merritt and Steven D. Bull*

**Synthesis of chiral vicinal C_2 symmetric and unsymmetric bis(sulfonamide) ligands based on *trans*-1,2-cyclohexanediamine by aminolysis of *N*-tosylaziridines**

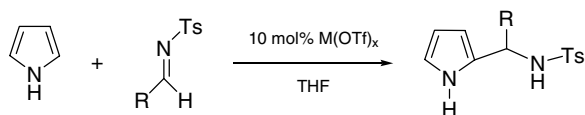
pp 7935–7939

Alakesh Bisai, B. A. Bhanu Prasad and Vinod K. Singh*

**Regioselective addition of pyrrole to *N*-tosyl imines in the presence of $\text{Cu}(\text{OTf})_2$**

pp 7941–7943

Baris Temelli and Canan Unaleroglu*

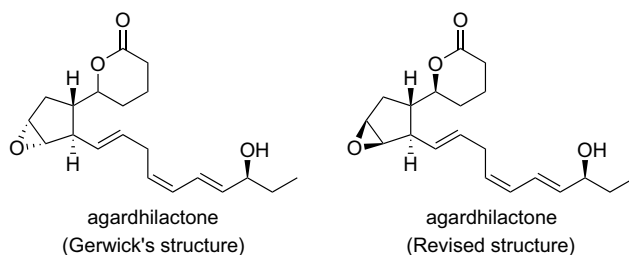


The $\text{Cu}(\text{OTf})_2$ catalysed reaction of pyrrole with *N*-tosyl imines gives pyrrole sulfonamides in high yields. The addition reaction takes place regioselectively at C(2) of the pyrrole. The procedure is simple and does not require anhydrous conditions.

Synthesis and structural revision of marine eicosanoid agardhilactone

pp 7945–7949

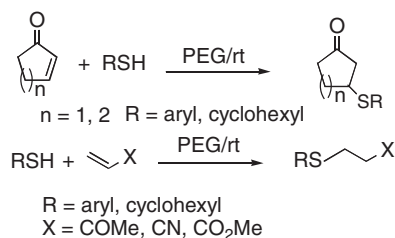
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A simple and green procedure for the conjugate addition of thiols to conjugated alkenes employing polyethylene glycol (PEG) as an efficient recyclable medium

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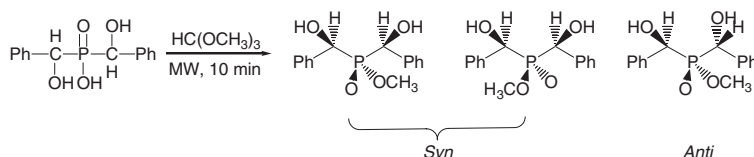
Ahmed Kamal,* D. Rajasekhar Reddy and Rajendar



The first separation and stereochemical determination of bis(α -hydroxyalkyl) phosphinic acids diastereoisomers

pp 7955–7957

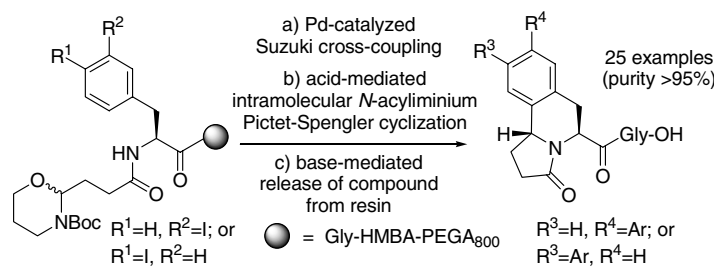
Babak Kaboudin* and Hamideh Haghighat



Solid-phase synthesis of biarylalanines via Suzuki cross-coupling and intramolecular *N*-acyliminium Pictet–Spengler reactions

pp 7959–7962

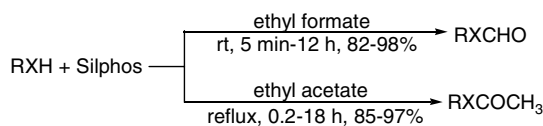
Thomas E. Nielsen, Sebastian Le Quement and Morten Meldal*



Silphos $[\text{PCl}_{3-n}(\text{SiO}_2)_n]$: a heterogeneous phosphine reagent for formylation and acetylation of alcohols and amines with ethyl formate and acetate

pp 7963–7966

Nasser Iranpoor,* Habib Firouzabadi* and Arezu Jamalian



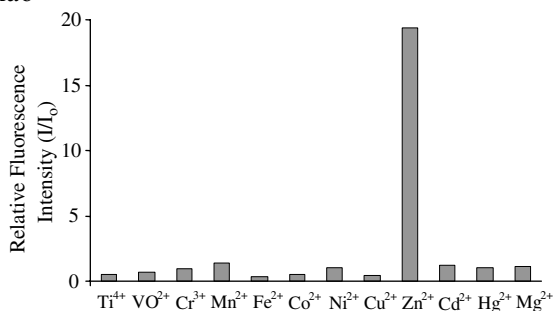
Silphos = $\text{PCl}_{3-n}(\text{SiO}_2)_n$
 $\text{X} = \text{O, N}$
 $\text{R} = 1^\circ, 2^\circ, \text{benzylic, allylic}$

A direct fluorescence-on-chemo-sensor for selective recognition of Zn(II) by a lower rim 1,3-di-derivative of calix[4]arene possessing bis- $\{N-(2\text{-hydroxynaphthyl-1-methylimine})\}$ pendants

pp 7967–7971

Jayaraman Dessingou, Roymon Joseph and Chebrolu P. Rao*

The bis- $\{N-(2\text{-hydroxynaphthyl-1-methylimine})\}$ anchored 1,3-di-derivative of lower rim *p-tert*-butyl-calix[4]arene possessing a N_2O_2 , N_2O_4 or N_2O_6 binding core was found to be selective for Zn(II) ions even at ≤ 60 ppb by eliciting fluorescence-on-behaviour while other ions, viz., Ti^{4+} , VO^{2+} , Cr^{3+} , Mn^{2+} , Fe^{2+} , Co^{2+} , Ni^{2+} , Cu^{2+} , Mg^{2+} , Cd^{2+} and Hg^{2+} caused no change in the fluorescence.

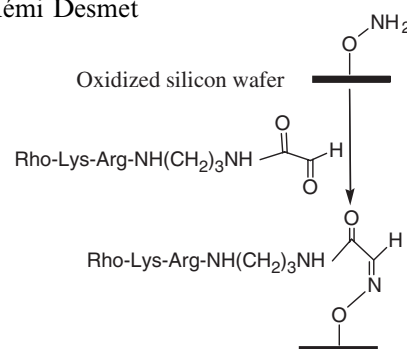


Hydroxylamine-functionalised silica surfaces for biochip applications

pp 7973–7975

Franck Martin,* Anne Diran, Jean-Olivier Durand, Michel Granier and Rémi Desmet

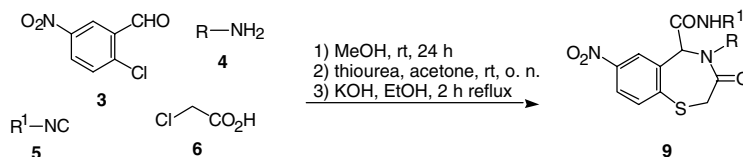
The syntheses of triethoxy and trimethoxy silanes possessing an unprotected hydroxylamine group are described. The grafting of these coupling agents at the surface of oxidised silicon wafers was studied. Accessibility of the hydroxylamine group at the surface was demonstrated with chemical reagents, and the surface proved efficient for covalent immobilisation of peptides possessing the COCHO function.



Studies on isocyanides. A facile synthesis of 4,5-dihydro-1,4-benzothiazepin-3(2H)-ones via post-condensation modifications of the Ugi reaction

pp 7977–7979

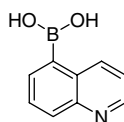
Ana G. Neo, Carlos F. Marcos, Stefano Marcaccini* and Roberto Pepino



A new type of boronic acid fluorescent reporter compound for sugar recognition

pp 7981–7984

Wenqian Yang, Li Lin and Binghe Wang*

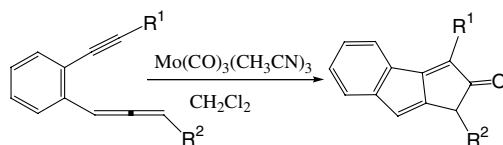


5-Quinolineboronic acid was found to be a new type of fluorescent reporter for carbohydrate recognition and show a $\text{p}K_{\text{a}}$ -switching between the quinolinium and boronic acid groups upon binding a diol in aqueous solution.

Molybdenum-mediated cyclocarbonylation of 1-ethynyl-2-allenylbenzenes to 1*H*-cyclopenta[*a*]inden-2-ones

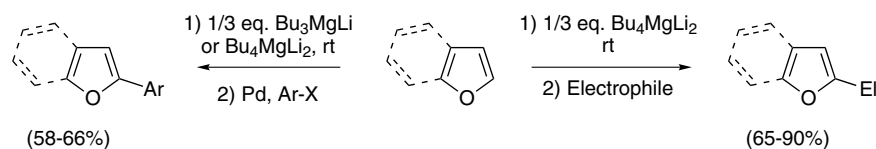
pp 7985–7988

Swarup Datta and Rai-Shung Liu*


Deprotonation of furans using lithium magnesates

pp 7989–7992

Florence Mongin,* Aurélien Bucher, Jean Pierre Bazureau, Omar Bayh, Haçan Awad and François Trécourt

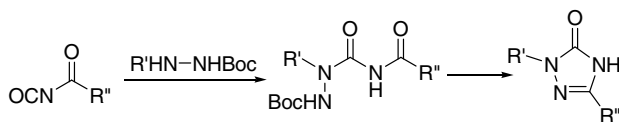


Furans are deprotonated using lithium magnesates.


A novel and efficient synthesis of 2,5-substituted 1,2,4-triazol-3-ones

pp 7993–7996

James Zhengwu Deng* and Christopher S. Burgey

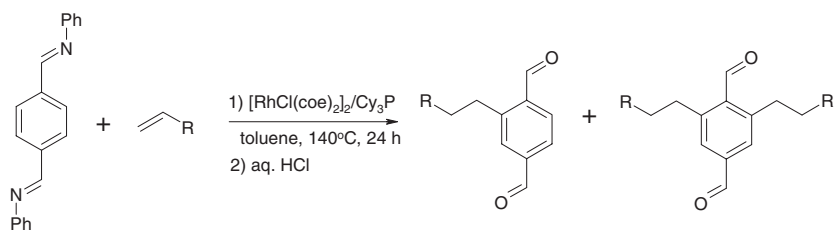


A novel procedure for preparing 1,2,4-triazol-3-ones is described.

Rhodium-catalyzed alkylation of terephthaldialdimine with terminal alkenes via C–H bond activation

pp 7997–8001

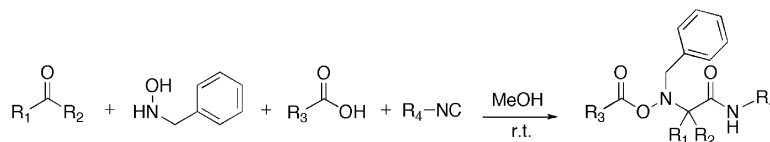
Yeong-Gweon Lim* and Bon Tak Koo



One-pot synthesis of α -acyloxyaminoamides via nitrones as imine surrogates in the Ugi MCR

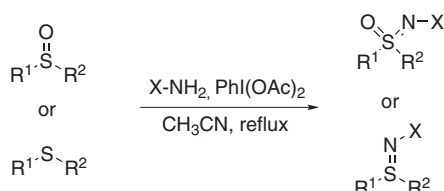
pp 8003–8006

Andrea Basso, Luca Banfi, Giuseppe Guanti* and Renata Riva

**Metal-free imination of sulfoxides and sulfides**

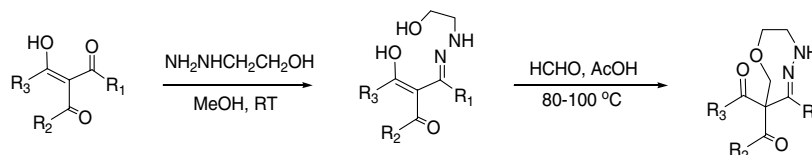
pp 8007–8008

Gae Young Cho and Carsten Bolm*

**A new method for the synthesis of 1,4,5-oxadiazocines and its application in the structure modification of natural products**

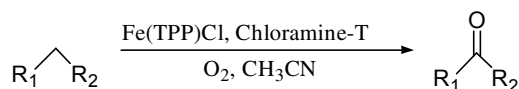
pp 8009–8012

Weiguo Liu,* Ziqiang Guan and Sheo B. Singh

**A novel and selective catalytic oxidation of hydrocarbons to ketones using chloramine-T/O₂/Fe(TPP)Cl system**

pp 8013–8015

Shi-Jun Li and Yan-Guang Wang*

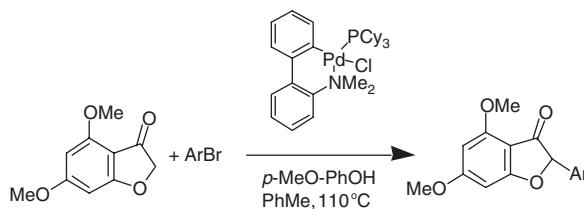
R₁ = aryl or vinyl; R₂ = aryl or alkyl

A novel and efficient selective oxidation of hydrocarbons to the corresponding ketones using the chloramine-T/O₂/Fe(TPP)Cl system was described.

Palladium catalysed arylation of 6,8-dimethoxybenzofuranone

pp 8017–8018

Abdelkarim Sani Souna Sido, Loïc Boulenger and Laurent Désaubry*

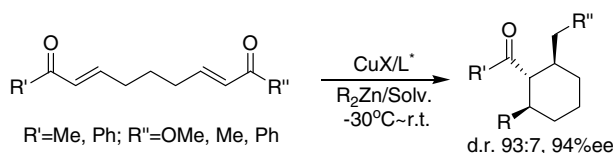


6,8-Dimethoxybenzofuranone was arylated in the presence of a palladacycle catalyst and *p*-methoxyphenol to afford precursors of anti-cancer and anti-inflammatory drugs.

Copper catalyzed tandem asymmetric conjugate addition–cyclization reaction in the presence of chiral phosphoramidite ligands

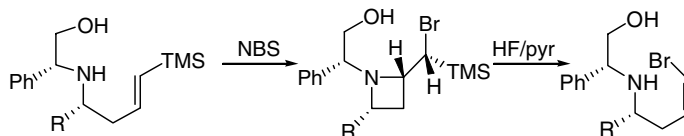
pp 8019–8022

Kangying Li and Alexandre Alexakis*

**Synthesis of enantiopure azetidines: a route to new β -amino alcohols**

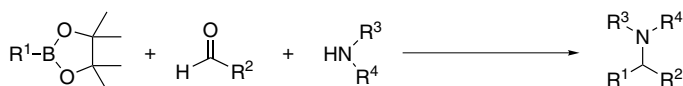
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Vincent Lemau de Talancé, Emilie Banide, Benjamin Bertin, Sébastien Comesse and Catherine Kadouri-Puchot*

**On the use of boronates in the Petasis reaction**

pp 8027–8031

Hélène Jourdan, Géraldine Gouhier, Luc Van Hijfte, Patrick Angibaud and Serge R. Piettre*

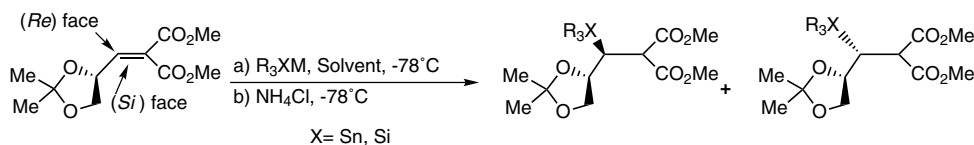


R^1 = aryl, vinyl; R^2 = COOH, CH₂OH, aryl; R^3 = alkyl, cycloalkyl; R^4 = H, alkyl, cycloalkyl

Diastereoselective addition of silyl- and stannyl metals to γ -alkoxy-alkylidene malonates

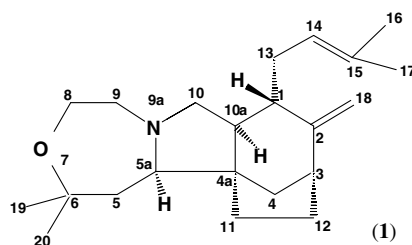
pp 8033–8035

Alain Krief,* Willy Dumont and Diane Baillieul

**Concavine, an unusual diterpenic alkaloid produced by the fungus *Clitocybe concava***

pp 8037–8039

Alberto Arnone, Adriana Bava, Giovanni Fronza, Gianluca Nasini* and Enzo Ragg

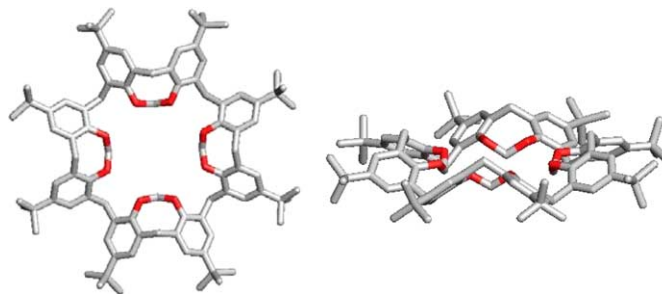


Concavine **1**, a novel alkaloid with an unprecedented ring system has been isolated from cultures of *Clitocybe* sp.

Dioxamethylene intramolecular bridging of *p*-tert-butylcalix[8]arene

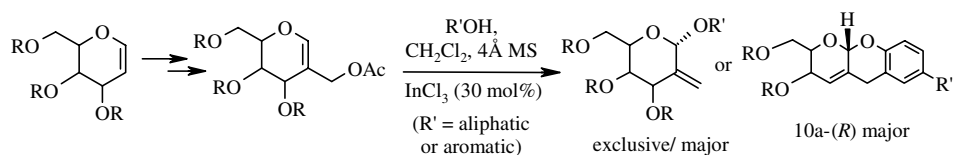
pp 8041–8045

Francesco Troisi, Carmine Gaeta and Placido Neri*

**Chiral 2-C-methylene glycosides and carbohydrate-derived pyrano[2,3-*b*][1]benzopyrans: synthesis via InCl_3 catalyzed stereoselective Ferrier rearrangement of 2-C-acetoxymethyl glycal derivatives**

pp 8047–8051

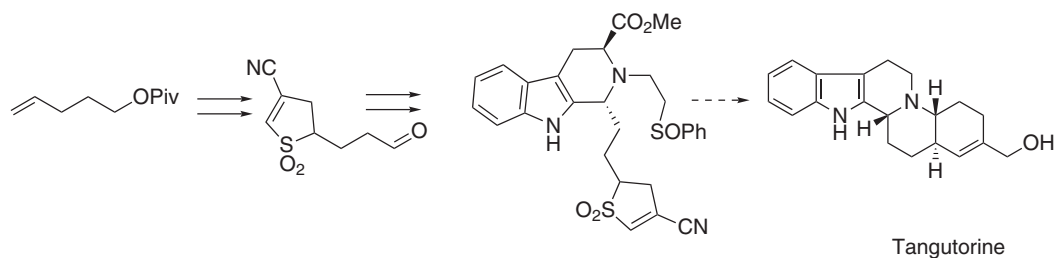
Rina Ghosh,* Arijit Chakraborty, Dilip K. Maiti and Vedavati G. Puranik



Towards the total synthesis of tangutorine by intramolecular Diels–Alder reaction

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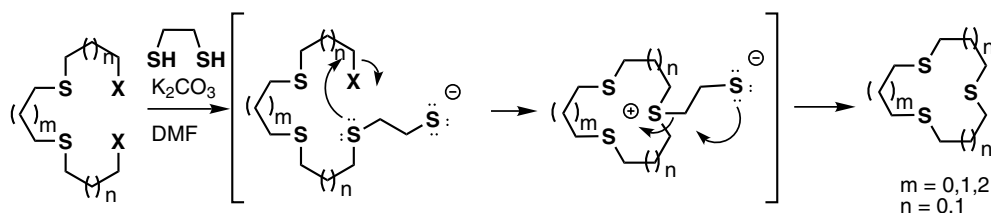
James A. Wilkinson,* Nicolas Ardes-Guisot, Sylvie Ducki and John Leonard



Sulfide ion transfer from a vicinal dithiolate. A new route for the synthesis of mesocyclic trithiaethers

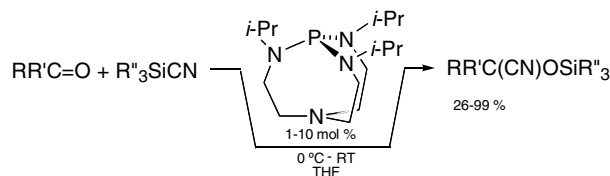
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Wenchao Qu, David B. Rorabacher and Michael J. Taschner*

P(RNCH₂CH₂)N: efficient catalysts for the cyanosilylation of aldehydes and ketones

pp 8061–8066

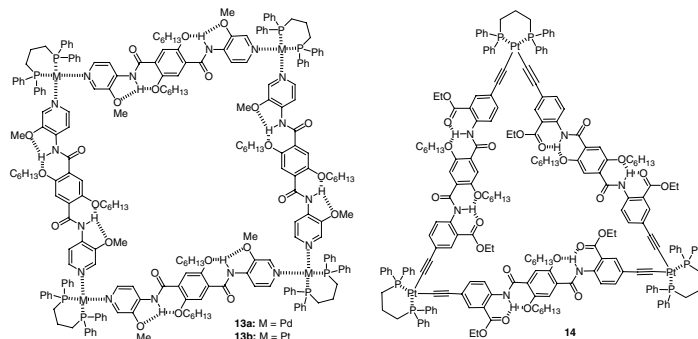
Brandon M. Fetterly and John G. Verkade*



Hydrogen bonding-mediated self-assembly of square and triangular metallocyclophanes

pp 8067–8070

Zong-Quan Wu, Xi-Kui Jiang and Zhan-Ting Li*



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*Corresponding author

+ Supplementary data available via ScienceDirect



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