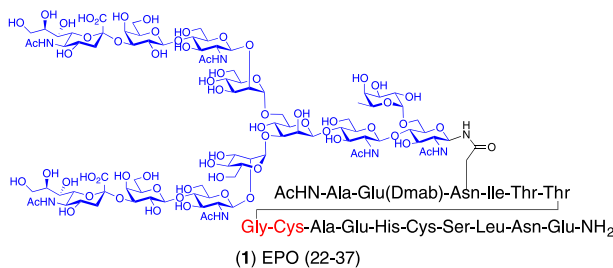


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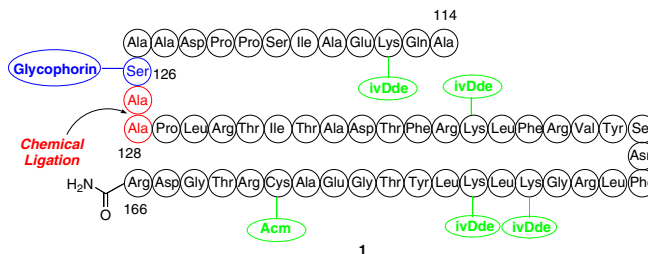
Mature homogeneous erythropoietin building blocks by chemical synthesis: the EPO 22–37 glycopeptide domain presenting the full N-linked dodecasaccharide pp 8009–8011

Bin Wu, Zhongping Tan, Gong Chen, Jiehao Chen, Zihao Hua, Qian Wan, Krishnakumar Ranganathan and Samuel J. Danishefsky*



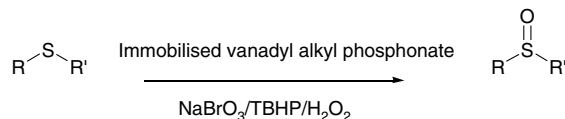
Mature homogeneous erythropoietin-level building blocks by chemical synthesis: the EPO 114–166 glycopeptide domain, presenting the O-linked glycophorin pp 8013–8016

Jiehao Chen, Gong Chen, Bin Wu, Qian Wan, Zhongping Tan, Zihao Hua and Samuel J. Danishefsky*



Selective oxidation of sulfides to sulfoxides using a silica immobilised vanadyl alkyl phosphonate catalyst pp 8017–8019

Mohammed Al-Hashimi, Emilie Fisset, Alice C. Sullivan* and John R. H. Wilson

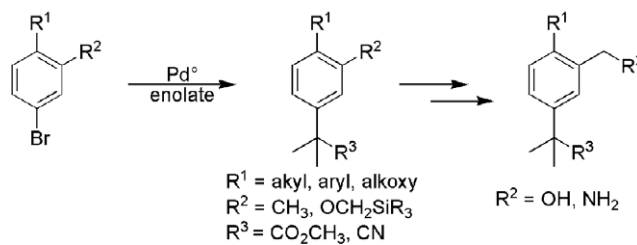


A range of sulfides can be selectively oxidised to the corresponding sulfoxides in good yields using catalytic quantities of immobilised vanadyl, cobalt or nickel alkyl phosphonates and the reoxidant sodium bromate or vanadyl alkyl phosphonate with *tert*-butyl hydroperoxide or aqueous hydrogen peroxide as oxidants.

Palladium catalyzed α -arylation of methyl isobutyrate and isobutyronitrile: an efficient synthesis of 2,5-disubstituted benzyl alcohol and amine intermediates

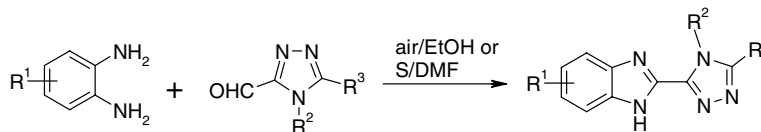
pp 8021–8024

Rupa Shetty and Kristofer K. Moffett*


Parallel solution-phase synthesis of substituted 2-(1,2,4-triazol-3-yl)benzimidazoles

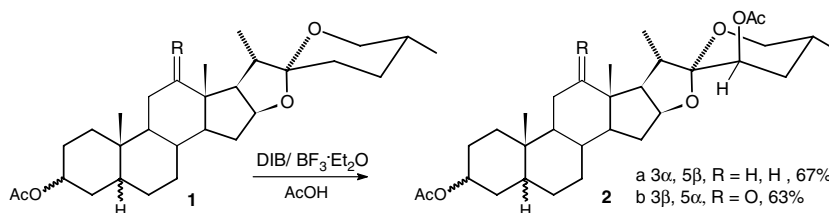
pp 8025–8027

Natalya V. Ivanova,* Sergey I. Sviridov and Aleksandr E. Stepanov


One-step axial acetoxylation at C-23. A new method for the functionalization of the side chain of steroid sapogenins

pp 8029–8031

Martin A. Iglesias-Arteaga* and Rafael O. Arcos-Ramos

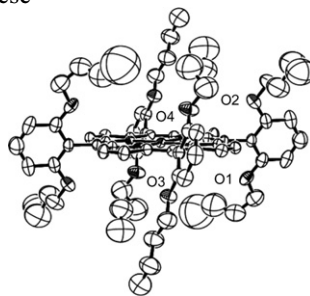


Treatment of steroid sapogenins with diacetoxyiodobenzene (DIB) and boron trifluoride ethyl etherate in acetic acid led to the introduction of an axial acetoxy group at position C-23 of the side chain.

Synthesis and axial ligation behaviour of sterically hindered Zn(II)–porphyrin liquid crystals

pp 8033–8037

C. Arunkumar, P. Bhyrappa* and B. Varghese

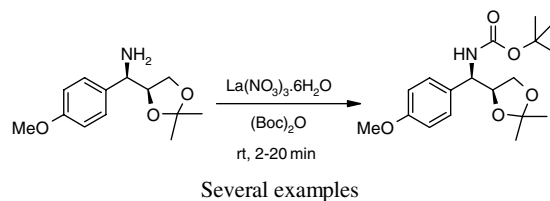


A series of low melting liquid crystalline octaalkoxy porphyrins has been synthesised. Their Zn(II)-complexes display interesting ligation behaviour towards amines of varying shapes and sizes.

Facile *N*-*tert*-butoxycarbonylation of amines using $\text{La}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$ as a mild and efficient catalyst under solvent-free conditions

pp 8039–8042

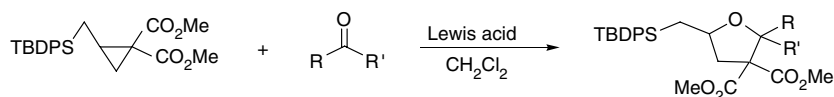
N. Suryakiran, P. Prabhakar, T. Srikanth Reddy, K. Rajesh and Y. Venkateswarlu*



A highly diastereoselective approach to tetrahydrofurans via [3+2] cycloadditions of silylmethyl-substituted cyclopropanes with aldehydes and ketones

pp 8043–8047

Archana Gupta and Veejendra K. Yadav*

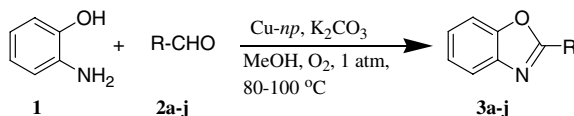


An efficient and highly diastereoselective preparation of highly substituted tetrahydrofurans from the cyclocondensation of vicinal *t*-butyldiphenylsilylmethyl-substituted cyclopropyl diesters with aldehydes and ketones has been developed.

Cu-Nanoparticles: efficient catalysts for the oxidative cyclization of Schiff's bases

pp 8049–8053

Mazaahir Kidwai,* Vikas Bansal, Amit Saxena, Swati Aerry and Subho Mozumdar



Cu-Nanoparticles provide an efficient catalysis for the synthesis of 2-arylbenzoxazoles by the coupling of aromatic or heteroaromatic aldehydes with 2-aminophenol through the oxidative cyclization of the Schiff's bases using 10 mol % of the Cu-nanoparticles in the presence of K_2CO_3 , in MeOH.

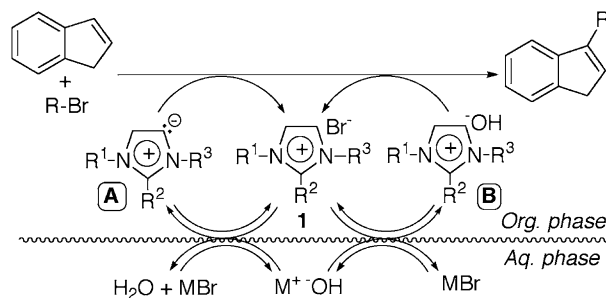


Activity and behavior of imidazolium salts as a phase transfer catalyst for a liquid–liquid phase system

pp 8055–8058

Sentaro Okamoto,* Kouichi Takano, Tomohiro Ishikawa, Satoshi Ishigami and Akiko Tshako

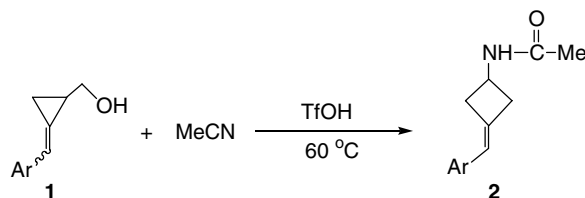
The structure–activity relationship and behavior of *N,N'*-dialkylimidazolium salts as a phase transfer and/or ion-exchange catalyst in a liquid–liquid phase system were investigated for various reactions.



Brønsted acid TfOH-mediated reactions of 2-(arylmethylene)cyclopropylcarbinols with acetonitrile

pp 8059–8062

Min Shi* and Guo-Qiang Tian

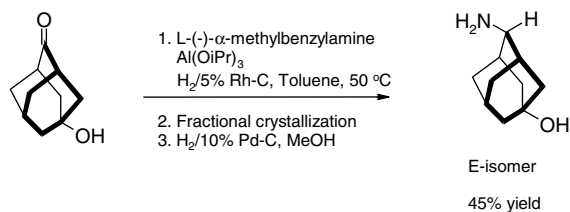


Brønsted acid TfOH-mediated reactions of 2-(arylmethylene)cyclopropylcarbinols **1**, another kinds of MCPs bearing a hydroxymethyl group, with acetonitrile produced the corresponding ring-enlarged *N*-(3-arylmethylidenebutyl)acetamides **2** in moderate to good yields at 60 °C.

**An expeditious preparation of *E*-2-amino-5-hydroxyadamantane and its *Z*-isomer**

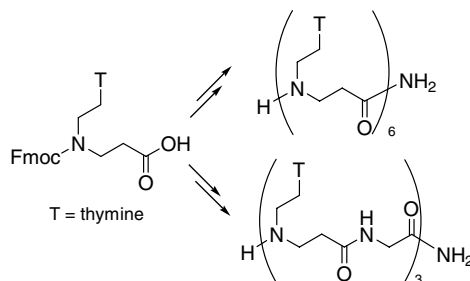
pp 8063–8067

Libuse Jaroskova, Louis Van der Veken, Paul de Belser, Gaston Diels, Alex de Groot and Joannes T. M. Linders*

**Synthesis of nucleobase-functionalized β -peptoids and β -peptoid hybrids**

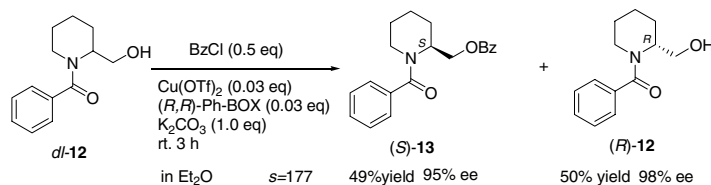
pp 8069–8071

Xavier Mejías, Lidia Feliu, Marta Planas and Eduard Bardají*

**Kinetic resolution of *vic*-amino alcohols catalyzed by a chiral Cu(II) complex**

pp 8073–8077

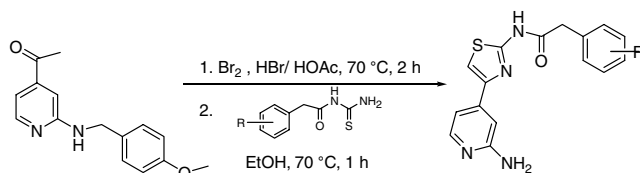
Masaru Mitsuda, Tomoaki Tanaka, Toshimitsu Tanaka, Yosuke Demizu, Osamu Onomura and Yoshihiro Matsumura*



Convenient synthesis of *N*-(4-(2-aminopyridin-4-yl)thiazol-2-yl)-2-phenylacetamides

pp 8079–8081

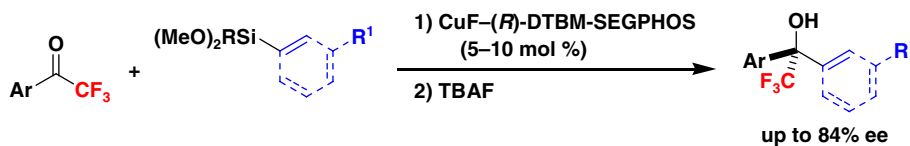
Upul K. Bandarage,* Jon H. Come and Jeremy Green



Catalytic enantioselective alkenylation and phenylation of trifluoromethyl ketones

pp 8083–8086

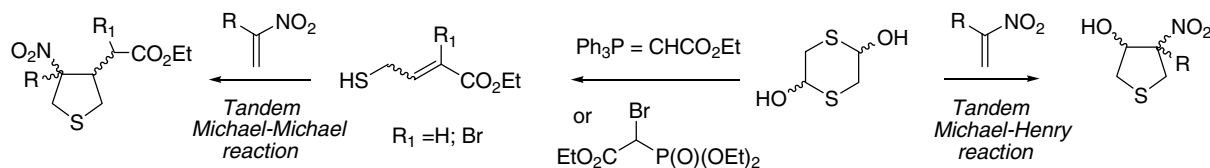
Rie Motoki, Daisuke Tomita, Motomu Kanai* and Masakatsu Shibasaki*



Convenient ‘one-pot’ synthesis of 3,4-substituted tetrahydrothiophenes through tandem Michael–Henry and Michael–Michael reactions

pp 8087–8090

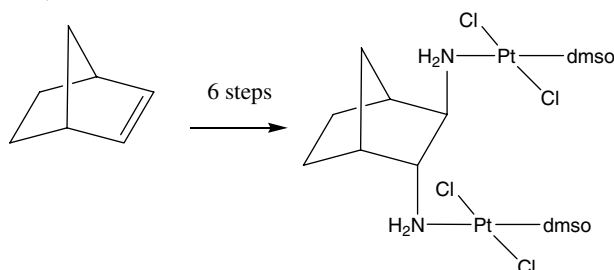
Achille Barco, Nikla Baricordi, Simonetta Benetti,* Carmela De Risi and Gian Piero Pollini*



Control of the platinum(II) ligating properties of rigid 1,2-diamines: the case of *trans*-2,3-diaminonorbornane

pp 8091–8093

Aur lie Maisonial, Mounir Traikia, Arnaud Gautier* and David J. Aitken*

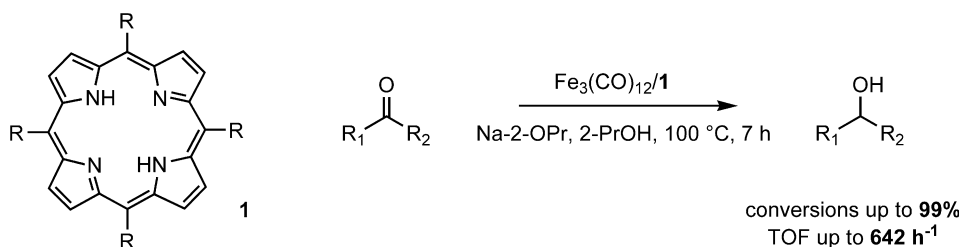


Norbornane-based *trans*-1,2-diamine was identified as a single bridging ligand for a binuclear platinum(II) complex.

Biomimetic transfer hydrogenation of ketones with iron porphyrin catalysts

pp 8095–8099

Stephan Enthaler, Giulia Erre, Man Kin Tse, Kathrin Junge and Matthias Beller*

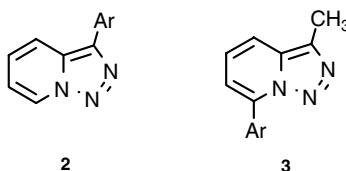


In situ generated iron porphyrin catalysts for the transfer hydrogenation of ketones have been developed.

Synthesis of novel fluorescent 3-aryl- and 3-methyl-7-aryl-[1,2,3]triazolo[1,5-*a*]pyridines by Suzuki cross-coupling reactions

pp 8101–8103

Belén Abarca,* Ricardo Aucejo, Rafael Ballesteros, Fernando Blanco and Enrique García-España

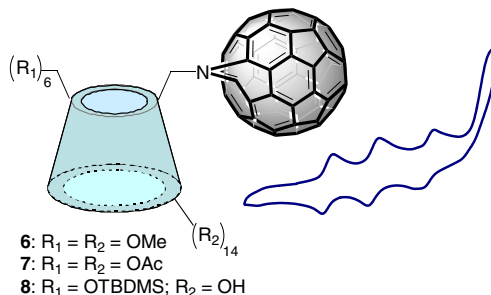


Two series of compounds, 3-aryl- (series A, compounds **2a–j**) and 3-methyl-7-aryl-[1,2,3]triazolo[1,5-*a*]pyridines (series B, compounds **3a–j**) have been synthesized by Suzuki cross-coupling reactions, in moderate to good yields. All compounds obtained are highly fluorescent.

**Cyclodextrin-[60]fullerene conjugates: synthesis, characterization, and electrochemical behavior**

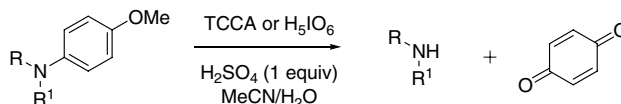
pp 8105–8108

Francesco Giacalone,* Francesca D'Anna, Rosalia Giacalone, Michelangelo Gruttadauria, Serena Riela and Renato Noto*

**Mild and efficient deprotection of the amine protecting *p*-methoxyphenyl (PMP) group**

pp 8109–8113

Jorge M. M. Verkade, Lieke J. C. van Hemert, Peter J. L. M. Quaedflieg, Paul L. Alsters, Floris L. van Delft and Floris P. J. T. Rutjes*

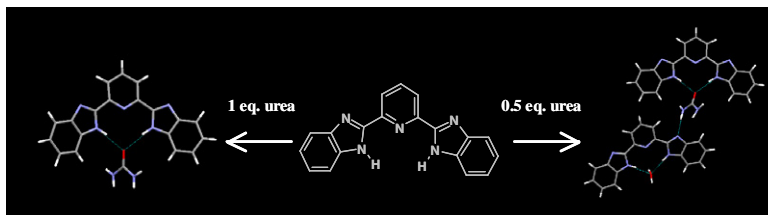


Efficient and scalable oxidative cleavage procedures for the amine protecting *p*-methoxyphenyl (PMP) group are described.

2,6-Bis(2-benzimidazolyl)pyridine receptor for urea recognition

pp 8115–8117

Bolin Chetia and Parameswar K. Iyer*

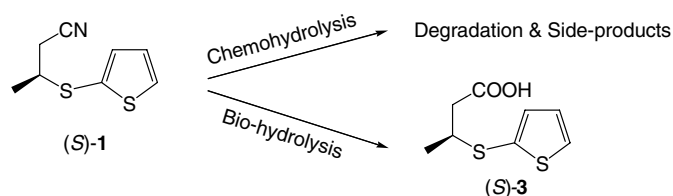


2,6-Bis(2-benzimidazolyl)pyridine is an efficient receptor for binding neutral guests such as urea with high affinity. The complexes are characterized by spectroscopy and X-ray diffraction analysis.

Biohydrolysis of (*S*)-3-(thiophen-2-ylthio)butanenitrile

pp 8119–8123

M. Gelo-Pujic,* C. Marion, C. Mauger, M. Michalon, T. Schlama and J. Turconi

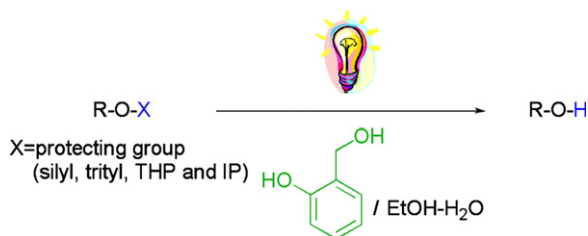


Enzymatic hydrolysis is shown to be the only efficient approach in the synthesis of (*S*)-3-(thiophen-2-ylthio)-butanoic acid, an intermediate of Dorzolamine.

The use of organophotoacids for deprotection reactions in organic synthesis

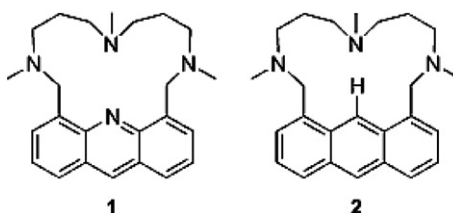
pp 8125–8128

Yuichi Nishikubo, Shinya Kanzaki, Shuichi Matsumura and Kazunobu Toshima*

**A new acridine derivative as a fluorescent chemosensor for zinc ions in an 100% aqueous solution: a comparison of binding property with anthracene derivative**

pp 8129–8132

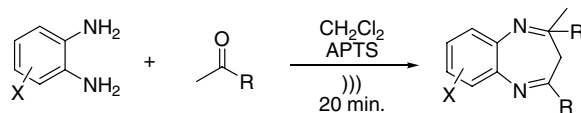
Min Sun Park, K. M. K. Swamy,* Yoon Ju Lee, Han Na Lee, Yun Jung Jang, Young Hyun Moon and Juyoung Yoon*



Ultrasound enhanced synthesis of 1,5-benzodiazepinic heterocyclic rings

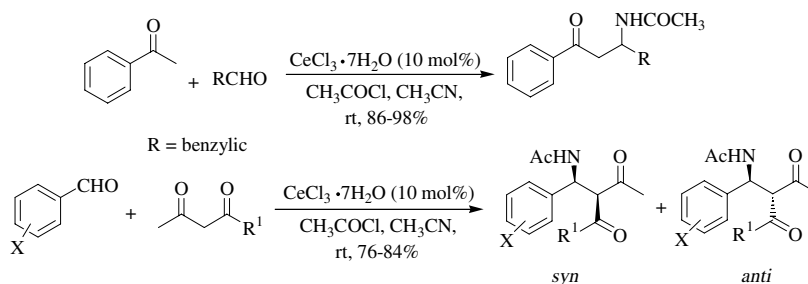
pp 8133–8136

Karla P. Guzen, Rodrigo Cella* and Hélio A. Stefani*

**CeCl₃·7H₂O: an efficient and reusable catalyst for the preparation of β-acetamido carbonyl compounds by multi-component reactions (MCRs)**

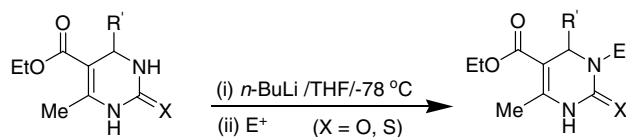
pp 8137–8141

Abu T. Khan,* Lokman H. Choudhury, Tasneem Parvin and Md. Asif Ali

**A mild and practical method for the regioselective synthesis of N-acylated 3,4-dihydropyrimidin-2-ones. New acyl transfer reagents**

pp 8143–8146

Kamaljit Singh* and Sukhdeep Singh

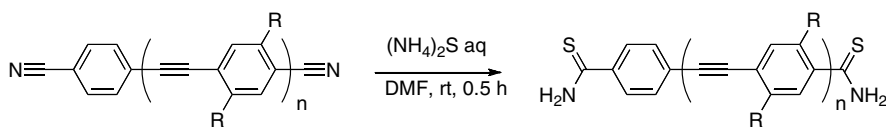


The treatment of 3,4-dihydropyrimidin-2-ones with *n*-BuLi at $-78\text{ }^{\circ}\text{C}$, followed by quenching with various electrophiles furnished *N*3-substituted derivatives, regioselectively. Further, *N*1,*N*3-diacyl derivatives were found to transfer *N*1-acyl groups to nucleophilic sites.

**Efficient synthesis of thioamide terminated molecular wires**

pp 8147–8150

Sally Dixon and Richard J. Whitby*

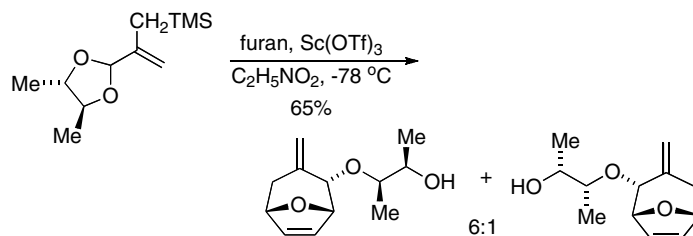


Primary-thioamide terminated oligo(phenylene ethynylene) 'molecular wires' are synthesised.

[4+3] Cycloadditions of some allylic dioxolanes

pp 8151–8155

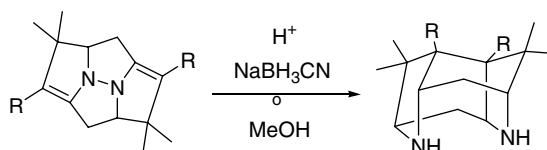
Michael Harmata,* James A. Brackley, III and Charles L. Barnes



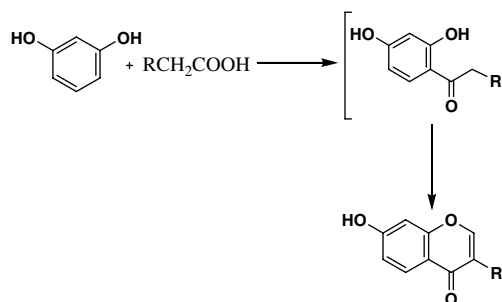
Four allylic dioxolanes were prepared and reacted with several dienes in the presence of Lewis acids, affording [4+3] cycloadducts. The reaction could be conducted with catalytic amounts of Lewis acid. The use of a chiral Lewis acid gave a cycloadduct with only a low enantiomeric excess.

A new rearrangement of fused tetracyclic heterocycles in an acidic medium in the presence of NaBH₃CN pp 8157–8159

Hana Zachová, Radek Marek, Stanislav Man, Jan Taraba and Milan Potáček*

**A convenient one-pot synthesis of 7-hydroxy-isoflavones from resorcinol with substituted phenylacetic acids** pp 8161–8163

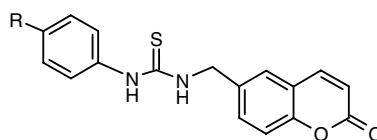
Himanshu Singh and Ram Pratap*



A mild and highly efficient one-pot synthesis of isoflavones is reported.

Colorimetric and fluorescence sensing of anions using thiourea based coumarin receptors pp 8165–8169

Kumaresh Ghosh* and Suman Adhikari

1, R = -NO₂

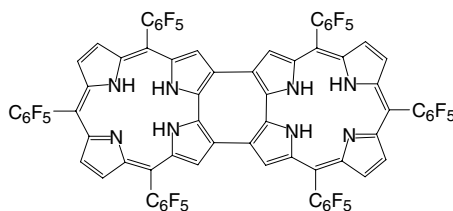
2, R = H.

Thiourea-containing coumarins **1**, **2** have been designed and synthesized. Their anion-binding ability has been examined using UV-vis, fluorescence and ¹H NMR with **1** showing a strong binding to C₆H₅COO⁻ over F⁻ with a distinct change in color.

β,β' -Corrole dimers

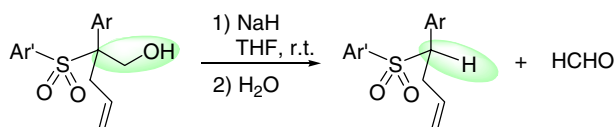
pp 8171–8174

Joana F. B. Barata, Ana M. G. Silva, Maria G. P. M. S. Neves, Augusto C. Tomé, Artur M. S. Silva and José A. S. Cavaleiro*

**Dehydroxymethylation: an unusual reverse reaction of nucleophilic addition to formaldehyde**

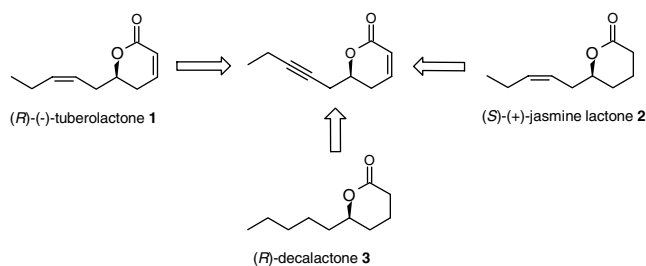
pp 8175–8178

Lingling Peng, Ming Ma, Xiu Zhang, Shiwei Zhang and Jianbo Wang*

**The first asymmetric total synthesis of (*R*)-tuberolactone, (*S*)-jasmine lactone and (*R*)- δ -decalactone**

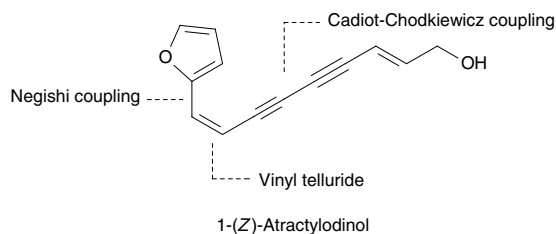
pp 8179–8181

Gowravaram Sabitha,* V. Bhaskar and J. S. Yadav


**Total synthesis of 1-(*Z*)-atractyloidinol**

pp 8183–8185

Juliana M. Oliveira, Gilson Zeni, Ivani Malvestiti and Paulo H. Menezes*



*Corresponding author

 Supplementary data available via ScienceDirect

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