

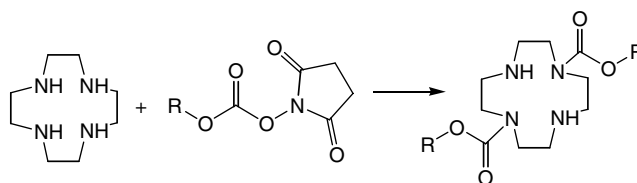
Contents

COMMUNICATIONS

Highly regioselective *N*-trans symmetrical diprotection of cyclen

pp 6937–6940

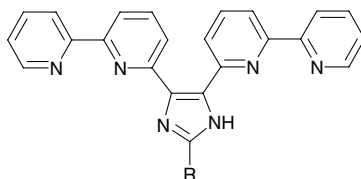
Luis M. De León-Rodríguez,\* Zoltan Kovacs,\* Ana Cristina Esqueda-Oliva and  
Alma Delia Miranda-Olvera



Syntheses of new binucleating heterocyclic ligands

pp 6941–6943

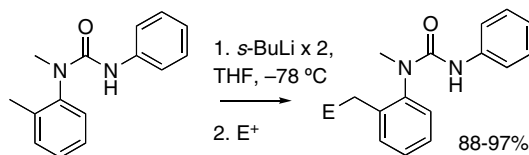
Jonathan W. Slater and Peter J. Steel\*



Lateral lithiation of *N,N'*-diaryl ureas

pp 6945–6946

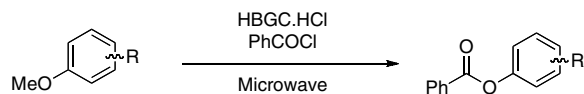
Jonathan Clayden\* and Jérémy Dufour



*N*-(2-Alkylaryl)ureas may be laterally lithiated by treatment with *sec*-butyllithium. Lateral lithiation is favoured when the urea nitrogen adjacent to the aromatic ring in question is alkylated, and when competitive lithiations of such a ring are possible, lateral lithiation is more favourable than the alternative ortholithiation.

**A simple and efficient transprotection of aryl methyl ether to aryl benzoate under microwave activation** pp 6947–6950

Caroline Marette, Camille Larrouquet, Pierre Tisnès, Jean-Bernard Deloye and Emmanuel Gras\*

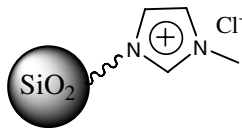


A simple and efficient method for the transprotection of aryl methyl ether to easily cleavable arylbenzoate mediated by microwave activation has been developed. One important feature of this method is its high tolerance towards sensitive functionalities and to some extent to bulky environment.

**Ionic liquid functionalized silica gel: novel catalyst and fixed solvent**

pp 6951–6953

Guoqiao Lai, Jiajian Peng, Jiayun Li, Huayu Qiu, Jianxiong Jiang, Kezhi Jiang and Yongjia Shen\*

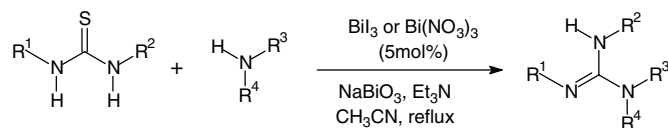


Imidazolium cation-based ionic liquid functionalized silica gel was an effective recyclable catalyst for Knoevenagel condensation as well as for cycloaddition of propylene oxide and carbon dioxide.

**The first bismuth(III)-catalyzed guanylation of thioureas**

pp 6955–6956

Silvio Cunha\* and Manoel T. Rodrigues, Jr.

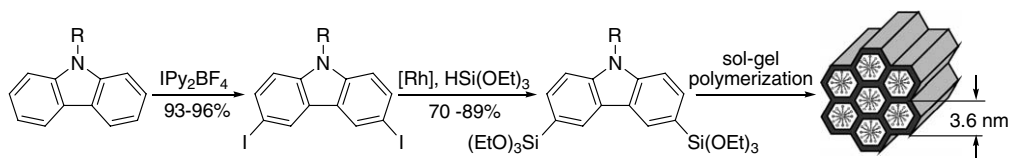


Catalytic Bi(III) guanylation of benzoyl or phenylthioureas and without excess of primary and secondary amines 10 examples, 65–97%.

**A useful procedure for diiodination of carbazoles and subsequent efficient transformation to novel 3,6-bis(triethoxysilyl)carbazoles giving mesoporous materials**

pp 6957–6960

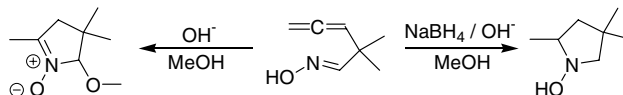
Yoshifumi Maegawa, Yasutomo Goto, Shinji Inagaki and Toyoshi Shimada\*



**Cyclization of  $\beta$ -allenylloximes as a novel method for nitrone preparation**

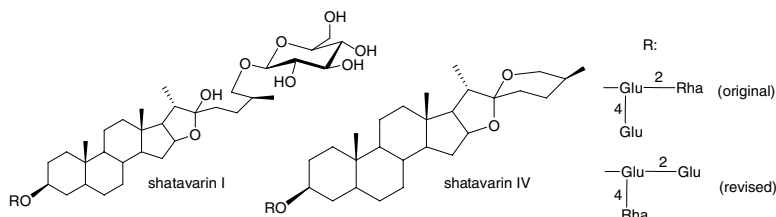
pp 6961–6963

Stanislav Man, Marian Buchlovič and Milan Potáček\*

**Structural revision of shatavarins I and IV, the major components from the roots of *Asparagus racemosus***

pp 6965–6969

Patricia Y. Hayes, Aisyah Hasyila Jahidin, Reg Lehmann, Kerry Penman, William Kitching and James J. De Voss\*

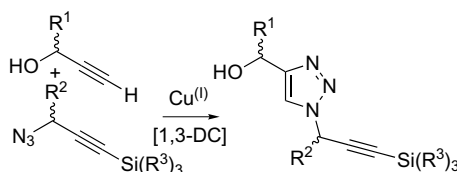


The structural revision of two major steroidal saponins, shatavarins I and IV, from the roots of *Asparagus racemosus* is reported. The correct structures have been identified through a combination of 1D ( $^1\text{H}$ ,  $^{13}\text{C}$ , DEPT, TOCSY) and 2D (COSY, HSQC, HMBC) NMR.

**Synthesis of azide-alkyne fragments for ‘click’ chemical applications; formation of oligomers from orthogonally protected trialkylsilyl-propargyl azides and propargyl alcohols**

pp 6971–6974

Oliver D. Montagnat, Guillaume Lessene and Andrew B. Hughes\*

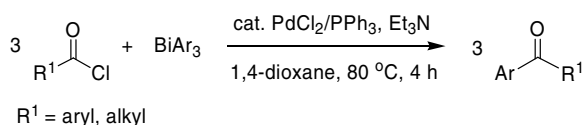


A copper catalyst was used in [3+2] cycloadditions of propargyl alcohols and trialkylsilyl azides. The triazole cycloadducts can be iteratively extended in either direction to prepare higher order oligomers.

**An atom-efficient palladium-catalyzed cross-coupling reaction of triarylbismuths with acid chlorides: synthesis of diaryl and alkyl aryl ketones**

pp 6975–6978

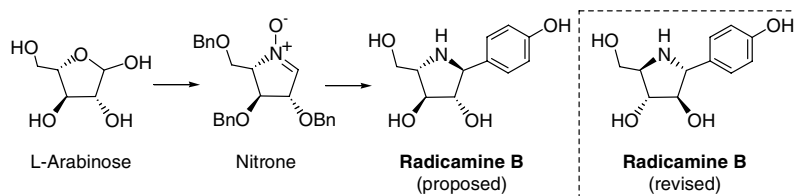
Maddali L. N. Rao,\* Varadhachari Venkatesh and Deepak N. Jadhav



**Total synthesis of (–)-radicamine B**

pp 6979–6981

Mukund K. Gurjar,\* Ramdas G. Borhade, Vedavati G. Puranik and C. V. Ramana\*

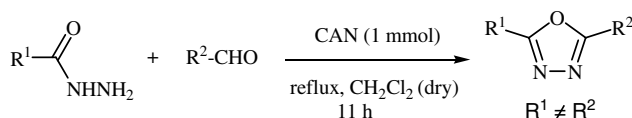


Synthesis of an *L-arabino* configured cyclic nitronium and stereoselective Grignard addition led to the total synthesis of (–)-radicamine B

**A facile procedure for the one-pot synthesis of unsymmetrical 2,5-disubstituted 1,3,4-oxadiazoles**

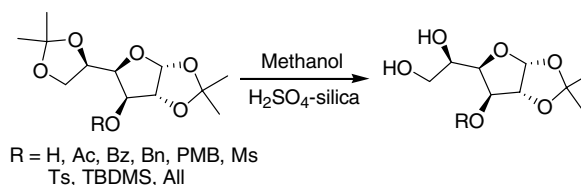
pp 6983–6986

Minoo Dabiri,\* Peyman Salehi,\* Mostafa Baghbazadeh and Mahboobeh Bahramnejad

**Sulfuric acid immobilized on silica: an efficient reusable catalyst for selective hydrolysis of the terminal *O*-isopropylidene group of sugar derivatives**

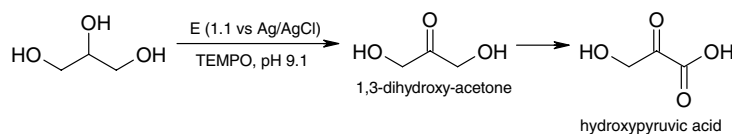
pp 6987–6991

Vishal Kumar Rajput, Bimalendu Roy and Balaram Mukhopadhyay\*

**One-pot electrocatalytic oxidation of glycerol to DHA**

pp 6993–6995

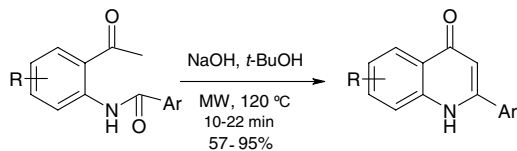
Rosaria Ciriminna, Giovanni Palmisano, Cristina Della Pina, Michele Rossi and Mario Pagliaro\*



**Microwave-assisted rapid and straightforward synthesis of 2-aryl-4-quinolones from acylated 2'-aminoacetophenones**

pp 6997–6999

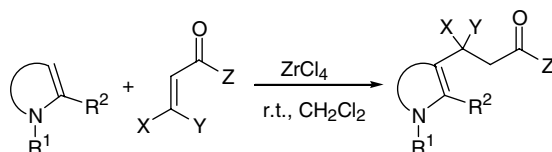
Derong Ding, Xin Li,\* Xin Wang, Yongli Du and Jingkang Shen\*



**ZrCl<sub>4</sub> catalyzed highly selective and efficient Michael addition of heterocyclic enamines with α,β-unsaturated olefins**

pp 7001–7005

Vijay Kumar, Sukhdeep Kaur and Subodh Kumar\*

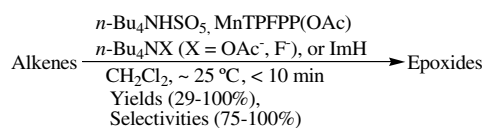


Highly selective and efficient Michael additions of heterocyclic enamines, viz. indoles, pyrroles, and pyrazoles with α,β-unsaturated olefins using 2 mol % of ZrCl<sub>4</sub> has been achieved.

**Rapid and highly selective epoxidation of alkenes by tetrabutylammonium monopersulfate in the presence of manganese *meso*-tetrakis(pentafluorophenyl)porphyrin and tetrabutylammonium salts or imidazole co-catalysts**

pp 7007–7010

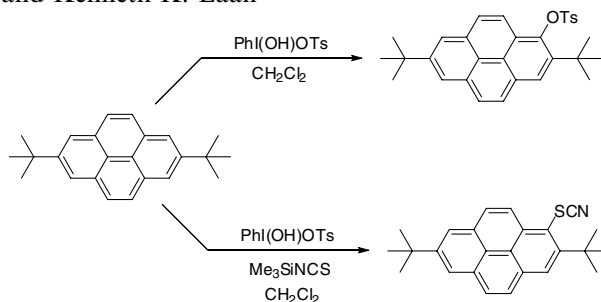
Daryoush Mohajer\* and Zahra Solati



**Oxidative-substitution reactions of polycyclic aromatic hydrocarbons with iodine(III) sulfonate reagents**

pp 7011–7015

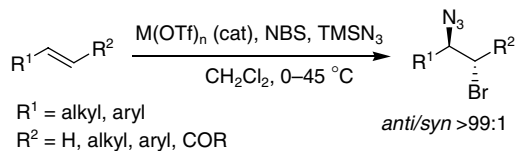
Gerald F. Koser,\* Sanjay Telu and Kenneth K. Laali



**Metal triflate catalyzed highly regio- and stereoselective 1,2-bromoazidation of alkenes using NBS and TMSN<sub>3</sub> as the bromine and azide sources**

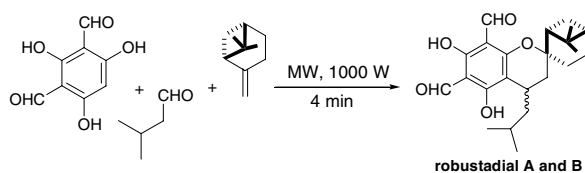
pp 7017–7019

Saumen Hajra,\* Debarshi Sinha and Manishabrata Bhowmick


**A two-step biomimetic synthesis of antimalarial robustadials A and B**

pp 7021–7024

Sandip B. Bharate and Inder Pal Singh\*

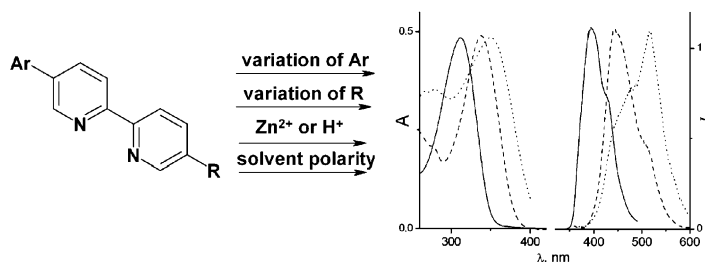


A short and efficient two-step synthesis of the antimalarial robustadials A and B via a key biomimetic three-component reaction, which involves in situ generation of an *o*-quinone methide via Knoevenagel condensation and subsequent Diels–Alder cycloaddition with (–)-β-pinene is described.

**5-Aryl-2,2'-bipyridines as tunable fluorophores**

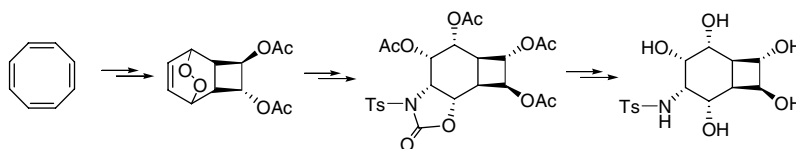
pp 7025–7029

Dmitry N. Kozhevnikov,\* Olga V. Shabunina, Dmitry S. Kopchuk, Pavel A. Slepukhin and Valery N. Kozhevnikov


**Stereospecific synthesis of a new class of aminocyclitol with the conduramine D-2 configuration**

pp 7031–7035

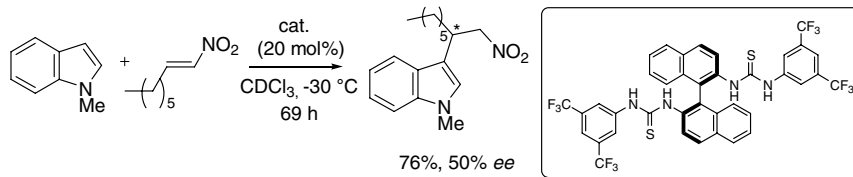
Latif Kelebekli, Murat Çelik, Ertan Şahin, Yunus Kara\* and Metin Balci\*



### Novel axially chiral bis-arylthiourea-based organocatalysts for asymmetric Friedel–Crafts type reactions

pp 7037–7042

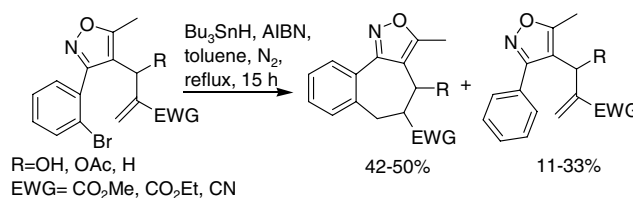
Eimear M. Fleming, Thomas McCabe and Stephen J. Connon\*



### Tributyltin hydride-mediated straightforward synthesis of a new isoxazolo-benzazulene ring system

pp 7043–7045

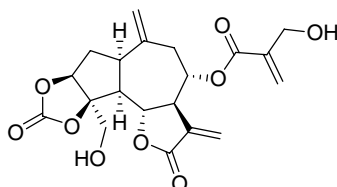
Vijay Singh and Sanjay Batra\*



### The first example of natural cyclic carbonate in terpenoids

pp 7047–7050

Sergio Rosselli, Antonella Maggio, Gabriella Bellone and Maurizio Bruno\*

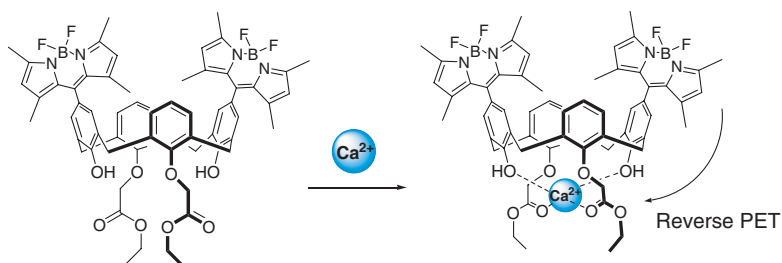


The first natural occurring cyclic carbonate terpenoid, the guaianolide hololeucin (**1**), was isolated from the aerial part of *Centaurea hololeuca*. Its structure was elucidated on the basis of extensive proton, <sup>13</sup>C and two-dimensional NMR experiments, as well as by transformation in its diacetyl derivative.

### BODIPY appended cone-calix[4]arene: selective fluorescence changes upon Ca<sup>2+</sup> binding

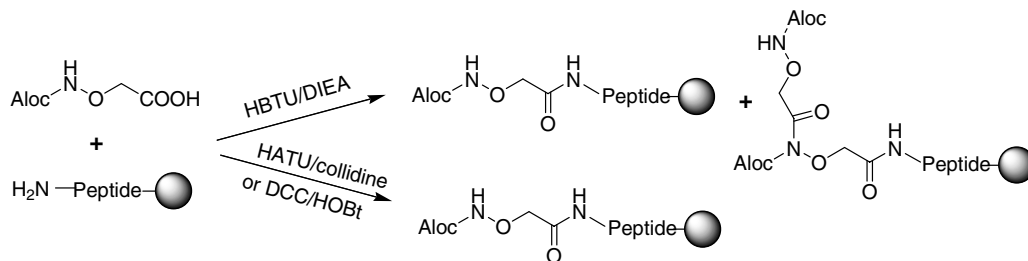
pp 7051–7055

Hyun Jung Kim and Jong Seung Kim\*



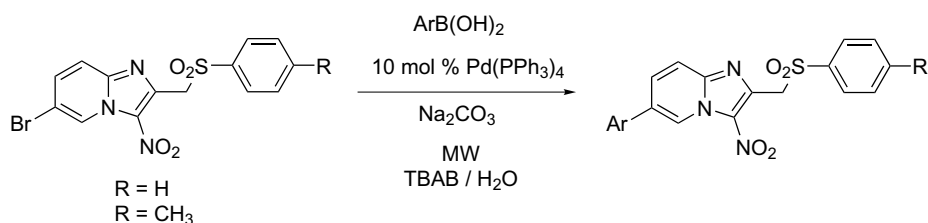
### Controlling the outcome of overacylation of N-protected aminoxyacetic acid during the synthesis of an aminoxy-peptide for chemical ligation pp 7057–7060

Isidore P. Decostaire, Dominique Lelièvre, Haihui Zhang and Agnès F. Delmas\*



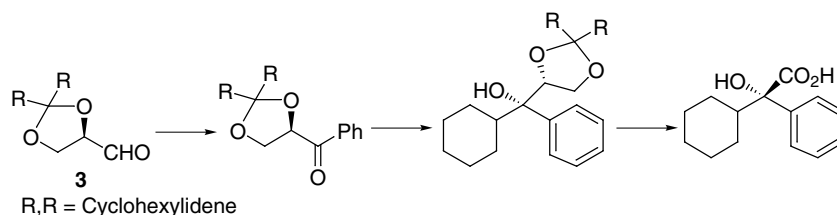
### An efficient microwave-assisted Suzuki cross-coupling reaction of imidazo[1,2-*a*]pyridines in aqueous medium pp 7061–7065

Maxime D. Crozet, Caroline Castera-Ducros and Patrice Vanelle\*



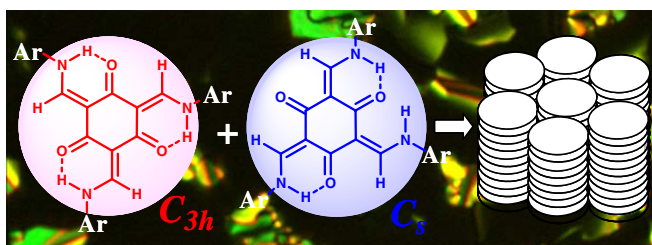
### An efficient asymmetric synthesis of (*S*)-2-cyclohexyl-2-phenylglycolic acid, the acid segment of oxybutynin pp 7067–7069

Siddharth Roy, Anubha Sharma, Nilmadhav Chattopadhyay and Subrata Chattopadhyay\*



### Tris(*N*-salicylideneanilines) [TSANs] exhibiting a room temperature columnar mesophase: synthesis and characterization pp 7071–7075

C. V. Yelamagad\* and A. S. Achalkumar



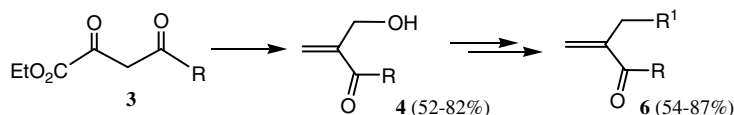
The first tris(*N*-salicylideneanilines) stabilizing room temperature columnar phase is reported.



**A direct synthesis of  $\alpha$ -(hydroxymethyl) and  $\alpha$ -alkyl-vinyl alkyl ketones**

pp 7077–7079

Jihène Ben Kraïem, Taïcir Ben Ayed and Hassen Amri\*

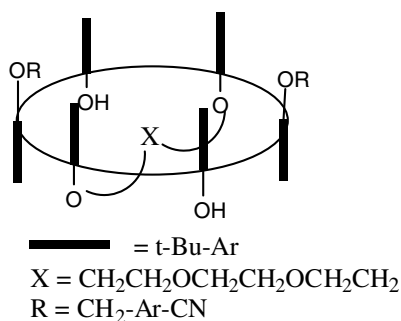


The synthesis of  $\beta$ -hydroxy ketones **4** and  $\alpha$ -alkylated ketones **6** starting from 2,4-diketoesters **3** are reported.

**Synthesis and characterization of an inherently chiral calix[6]arene in the 1,4-alternate conformation**

pp 7081–7084

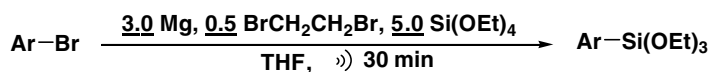
Michael T. Blanda,\* Lauren Edwards, Ralph Salazar and Mikki Boswell



**A facile and efficient synthesis of aryltriethoxysilanes via sonochemical Barbier-type reaction**

pp 7085–7087

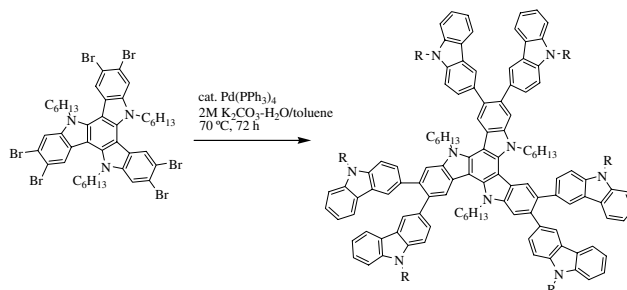
Adam Shih-Yuan Lee,\* Yu-Ting Chang, Shu-Fang Chu and Kuo-Wei Tsao



**Synthesis of novel star-shaped carbazole-functionalized triazatruxenes**

pp 7089–7092

Guo-Liang Feng, Wen-Yong Lai, Shun-Jun Ji\* and Wei Huang\*

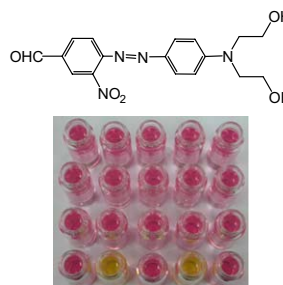


**Highly selective colorimetric sensor for cysteine and homocysteine based on azo derivatives**

pp 7093–7096

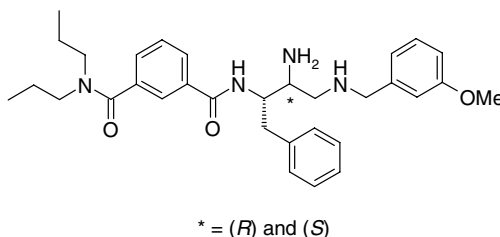
Dengqing Zhang, Meng Zhang, Zhiqiang Liu, Mengxiao Yu, Fuyou Li,\* Tao Yi and Chunhui Huang\*

A simple colorimetric method for the determination of cysteine and homocysteine using the azo dyes containing aldehyde group has been developed. The azo dyes can selectively recognize cysteine and homocysteine over other amino acids.

**Stereoselective synthesis of aminoethylamine aspartyl protease transition state isosteres**

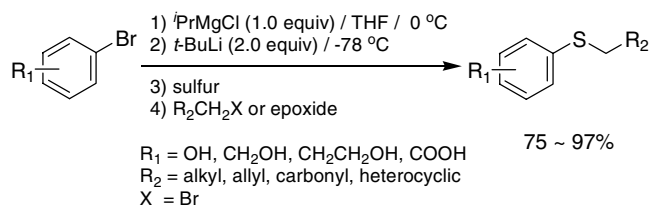
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Alicia Torrado

**A simple one-pot synthesis of hydroxylated and carboxylated aryl alkyl sulfides from various bromobenzenes**

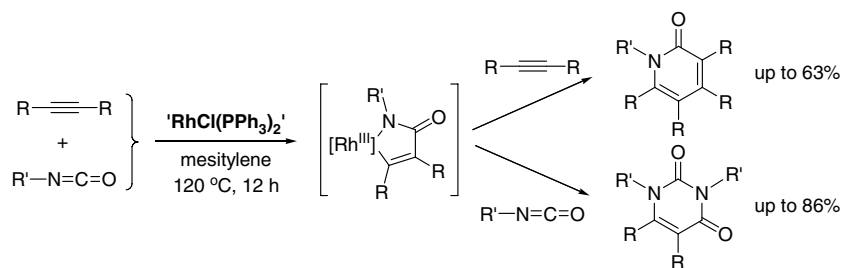
pp 7101–7106

Jaeyoung Ko, Jungyeob Ham, Inho Yang, Jungwook Chin, Sang-Jip Nam and Heonjoong Kang\*

**Selective synthesis of 2-pyridones and pyrimidine-2,4-diones by neutral rhodium(I) complex-catalyzed cyclootrimerization of alkynes and isocyanates**

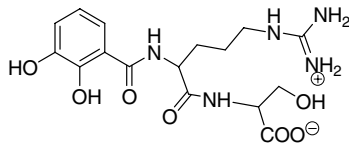
pp 7107–7111

Teruyuki Kondo,\* Masato Nomura, Yasuyuki Ura, Kenji Wada and Take-aki Mitsudo



**Structural characterization of vanchrobactin, a new catechol siderophore produced by the fish pathogen *Vibrio anguillarum* serotype O2** pp 7113–7116

Raquel G. Soengas, Cristina Anta, Alfonso Espada, Vanessa Paz, Isabel R. Ares, Miguel Balado, Jaime Rodríguez, Manuel L. Lemos and Carlos Jiménez\*

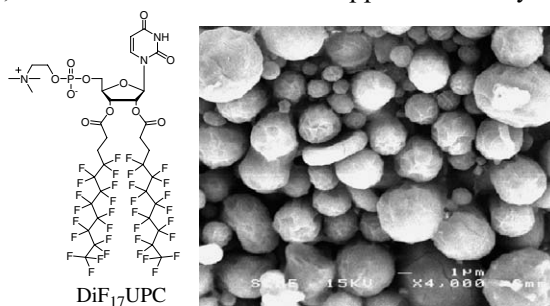


The structure of vanchrobactin, a siderophore produced by *Vibrio anguillarum* serotype O2, was characterized.

**A fluorocarbon nucleoamphiphile for the construction of actinide loaded microspheres**

pp 7117–7120

Louis Moreau, Nathalie Campins, Mark W. Grinstaff and Philippe Barthélémy\*




Fluorocarbon nucleoamphiphile and thorium loaded microspheres.

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**Corrigendum**

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\*Corresponding author

 Supplementary data available via ScienceDirect

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)



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