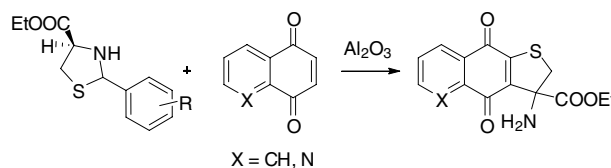


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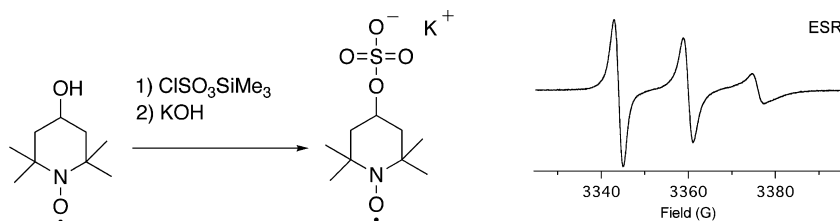
A practical, green, and selective approach toward the synthesis of pharmacologically important quinone-containing heterocyclic systems using alumina-catalyzed Michael addition reaction pp 583–585

Sabrina Castellano, Alessia Bertamino, Isabel Gomez-Monterrey, Marisabella Santoriello, Paolo Grieco, Pietro Campiglia, Gianluca Sbardella, Ettore Novellino *



Synthesis of 4-sulfonatoxy-2,2,6,6-tetramethylpiperidine-1-yloxy derivatives for investigation of ionic liquids pp 586–588

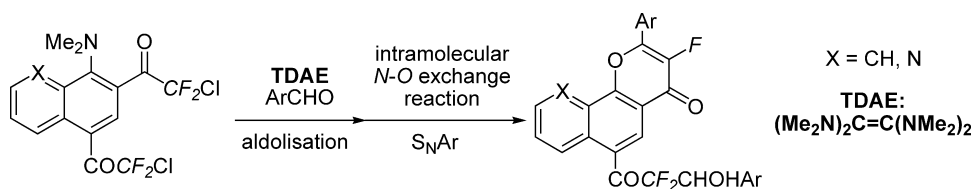
Veronika Strehmel *, Hans Rexhausen, Peter Strauch



A new method presents synthesis of 4-sulfonatoxy-2,2,6,6-tetramethylpiperidine-1-yloxy and its salts to study ionic liquids in the molecular domain.

Synthesis of novel fluorinated 4H-benzo[h]chromen-4-one and 4H-pyrano[3,2-h]quinolin-4-one derivatives pp 589–593

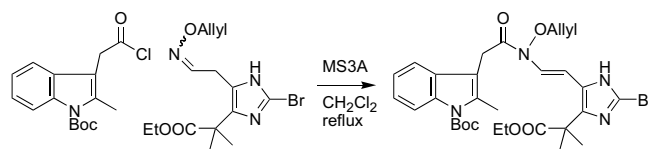
Maurice Médebielle *, Robert Keirouz, Etsuji Okada, Dai Shibata, William R. Dolbier, Jr.



Synthesis of *N*-hydroxyenamide, a potential precursor of chartelline

pp 594–597

Shigeo Kajii, Toshio Nishikawa *, Minoru Isobe

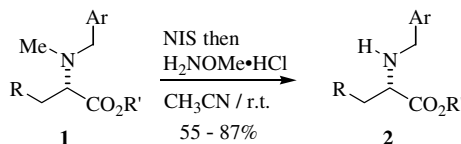


N-Acylation of an oxime gave the corresponding *N*-hydroxyenamide, which is a key precursor in our synthetic plan for the synthesis of the chartelline alkaloids.

Selective C–N bond oxidation: demethylation of *N*-methyl group in *N*-arylmethyl-*N*-methyl- α -amino esters utilizing *N*-iodosuccinimide (NIS)

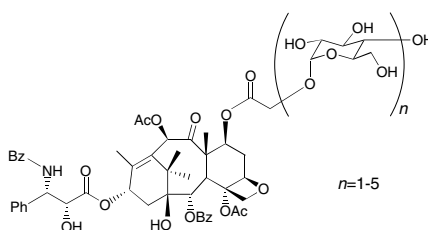
pp 598–600

Takahiro Katoh, Tsunefumi Watanabe, Mitsuyoshi Nishitani, Minoru Ozeki, Tetsuya Kajimoto, Manabu Node *

**Chemo-enzymatic synthesis of ester-linked taxol–oligosaccharide conjugates as potential prodrugs**

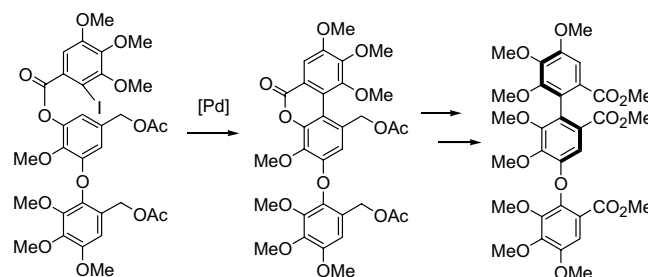
pp 601–604

Kei Shimoda *, Hatsuyuki Hamada, Hiroki Hamada *

**Enantioselective synthesis of valoneic acid derivative**

pp 605–609

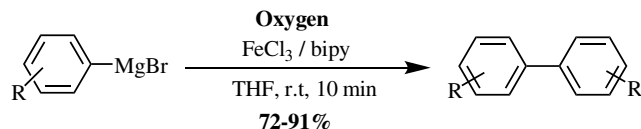
Hitoshi Abe *, Yusuke Sahara, Yuki Matsuzaki, Yasuo Takeuchi, Takashi Harayama



Efficient Fe-catalyzed homo-coupling of aryl Grignard reagents using O₂ as the oxidant

pp 610–613

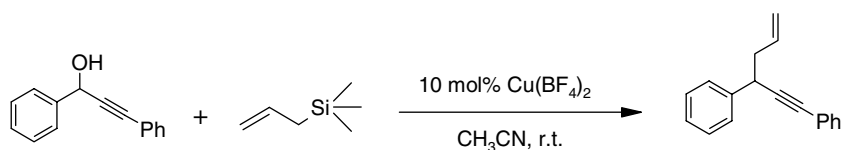
Wei Liu, Aiwen Lei *



Copper(II)-catalyzed allylation of propargylic and allylic alcohols by allylsilanes: a facile synthesis of 1,5-enynes

pp 614–618

J. S. Yadav *, B. V. Subba Reddy, T. Srinivasa Rao, K. V. Raghavendra Rao

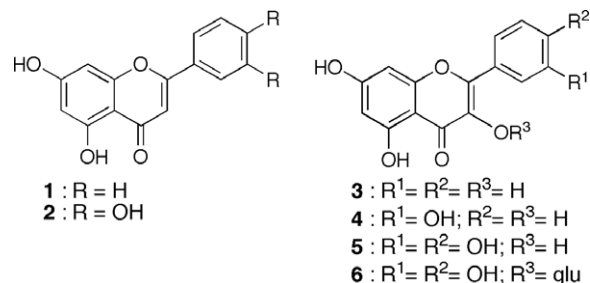


Mechanistic study on the enzymatic oxidation of flavonols

pp 619–623

Souhila Ghidouche, Nour-Eddine Es-Safi, Paul-Henri Ducrot *

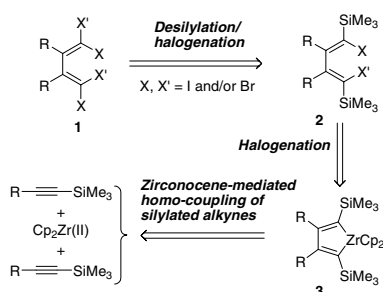
Flavonols **1–6** have been transformed upon treatment by *Trametes versicolor* laccase. Most of the major oxidation products have been investigated through spectral methods. The results are coherent with the predominance of a dismutation process, leading to cation formation, over direct radical–radical coupling.



Synthesis of stereo-defined 1,1,4,4-tetrahalo- and 1,1,4,4-mixed-tetrahalo-1,3-butadienes

pp 624–627

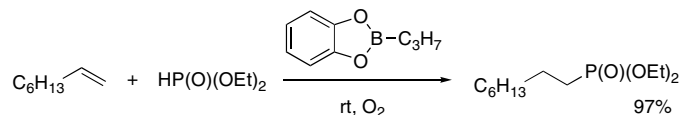
Hui-Jun Zhang, Zhiyi Song, Chao Wang, Christian Bruneau *, Zhenfeng Xi *



Radical initiation using borole derivatives

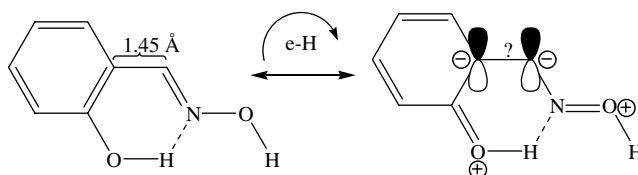
pp 628–630

Isabella Montgomery, Andrew F. Parsons *, Franco Ghelfi, Fabrizio Roncaglia

**Some physical organic aspects of salicylaldehydes oximes, a theoretical study**

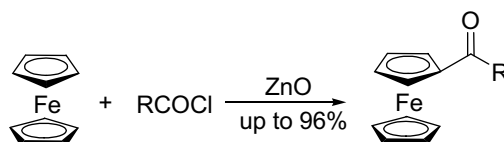
pp 631–635

Tareq Irshaidat

**A novel, convenient access to acylferrocenes: acylation of ferrocene with acyl chlorides in the presence of zinc oxide**

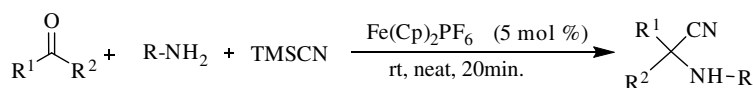
pp 636–639

Rong Wang, Xiang Hong, Zixing Shan *

**Fe(Cp)₂PF₆ catalyzed efficient Strecker reactions of ketones and aldehydes under solvent-free conditions**

pp 640–644

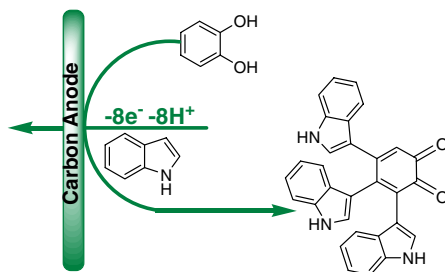
Noor-ul H. Khan *, Santosh Agrawal, Rukhsana I. Kureshy, Sayed H. R. Abdi, Surendra Singh, Eringathodi Suresh, Raksh V. Jasra



Electrochemical oxidation of catechol in the presence of indole: a facile and one-pot method for the synthesis of trisindolyl-*o*-benzoquinone

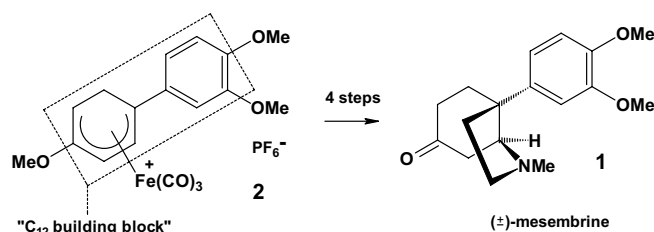
pp 645–649

D. Nematollahi *, S. Dehdashtian

**Stereoselectivity in the organoiron-mediated synthesis of (±)-mesembrine**

pp 650–653

Caroline Roe, Elizabeth J. Sandoe, G. Richard Stephenson *, Christopher E. Anson

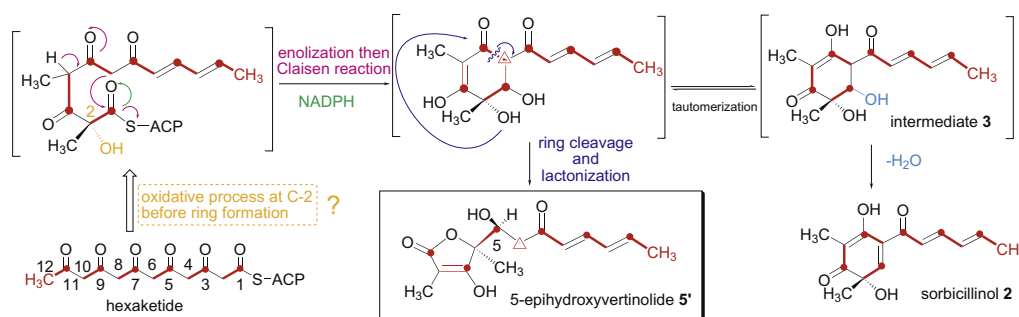


A 1-aryl-substituted electrophilic η^5 -cyclohexa-dienyliron 'C₁₂ building block' for the synthesis of (±)-mesembrine adopts a flattened conformation to allow nucleophile addition *ipso* to the arene.

The biosynthesis of sorbicillinoids in *Trichoderma* sp. USF-2690: prospect for the existence of a common precursor to sorbicillinol and 5-epihydroxyvertinolide, a new sorbicillinoid member

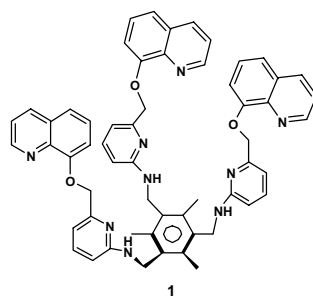
pp 654–657

Kouichi Sugaya, Hiroyuki Koshino, Yayoi Hongo, Katsuaki Yasunaga, Jun-ichi Onose, Kunie Yoshikawa, Naoki Abe *

**A quinoline-based tripodal fluororeceptor for citric acid**

pp 658–663

Kumaresh Ghosh *, Suman Adhikari



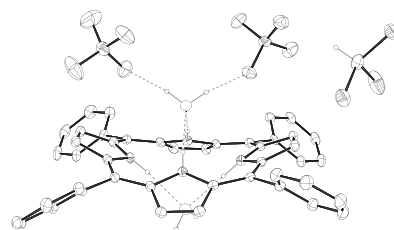
The quinoline-based tripodal fluororeceptor **1** has been designed and synthesized to bind citric acid. Receptor **1** shows strong excimer emission upon hydrogen bond-mediated complexation of citric acid.



Core protonation of *meso*-tetraphenylporphyrin with tetrafluoroboric acid: unusual water-mediated hydrogen bonding of H_4tpp^{2+} to the counterion pp 664–667

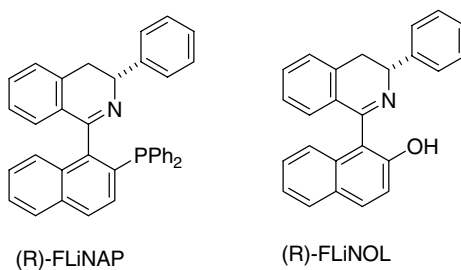
Saeed Rayati *, Saeed Zakavi *, Akbar Ghaemi, Patrick J. Carroll

N-Protonation of *meso*-tetraphenylporphyrin (H_2tpp) with HBF_4 yields the compound $[H_4tpp](BF_4)_2 \cdot 2H_2O \cdot CHCl_3$, which exhibits intricate water-mediated hydrogen bonds between $[H_4tpp]^{2+}$ and the counterions. The structure forms a network in which the porphyrin molecule is hydrogen bonded to two water molecules and each water molecule is hydrogen bonded to two tetrafluoroborate ions.



Synthesis of a new type of chiral N,P- and N,O-ligands pp 668–671

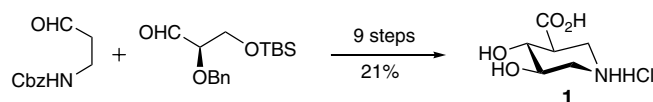
Jianqing Feng, Sarim Dastgir, Chao-Jun Li *



Novel chiral ligands of dihydro-QUINAP (FLiNAP) and dihydro-QUINOL (FLiNOL) have been synthesized in optically pure forms.

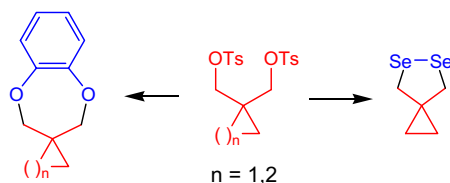
A proline-catalyzed aldol approach to the synthesis of 1-*N*-iminosugars of the D-glucuronic acid type pp 672–674

Chen Chen, Biao Yu *



Synthesis of heterospiranes by cyclization of dinucleophiles with 1,1-bis(tosyloxymethyl)cyclopropane and -cyclobutane pp 675–677

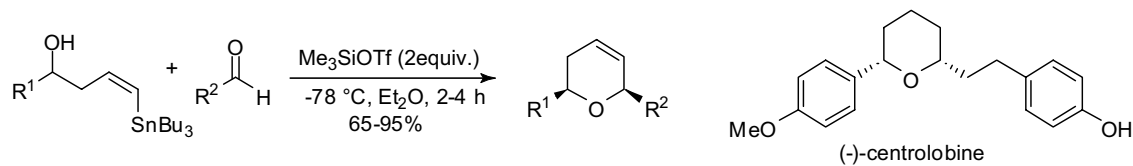
Sven Rotzoll, Helmut Reinke, Peter Langer *



An efficient approach to the stereoselective synthesis of 2,6-disubstituted dihydropyrans via stannyl-Prins cyclization

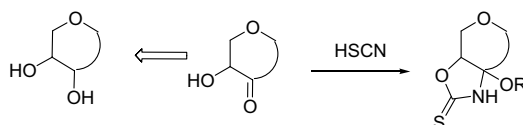
pp 678–681

Magdalena Dziedzic, Bartłomiej Furman *

**HSCN condensation with ulosides: preferred formation of carbohydrate-fused hemiaminals of the 4-hydroxy-1,3-oxazolidine-2-thione type**

pp 682–686

Sandrina Silva, Ana Catarina Simão, Arnaud Tatibouët *, Patrick Rollin, Amelia Pilar Rauter

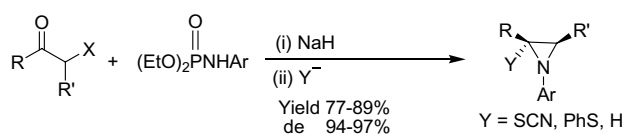


Selected ulofuranosides and ulopyranosides react with thiocyanic acid to give good yields of stable carbohydrate-fused hemiaminal 1,3-oxazolidine-2-thiones.

Novel aziridination of α -halo ketones: an efficient nucleophile-induced cyclization of phosphoramidates to functionalized aziridines

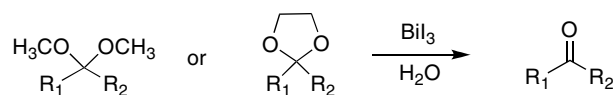
pp 687–690

Lal Dhar S. Yadav *, Ankita Rai, Vijai K. Rai, Chhama Awasthi

**Environmentally friendly organic synthesis using bismuth compounds: bismuth(III) iodide catalyzed deprotection of acetals in water**

pp 691–694

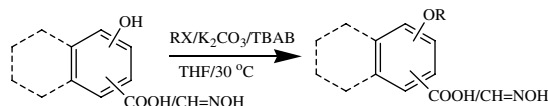
Aaron D. Bailey, Ashvin R. Baru, Kendall K. Tasche, Ram S. Mohan *



An efficient chemoselective etherification of phenols in polyfunctional aromatic compounds

pp 695–698

Jyoti Pandey, Mridul Mishra, Surendra Singh Bisht, Anindra Sharma, Rama P. Tripathi *

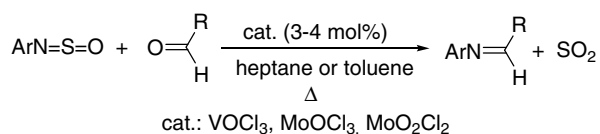


A simple method for chemoselective phenol alkylation with different phenolic substrates and alkyl halides is described using TBAB as catalyst.

An imido-transfer reaction of aldehydes with *N*-sulfinylamines using vanadium and molybdenum oxochlorides as catalysts

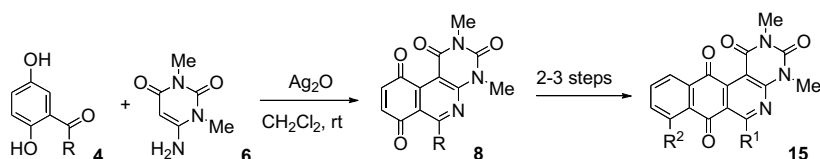
pp 699–702

Anton A. Zhizhin, Dmitry N. Zarubin *, Nikolai A. Ustynyuk

**Design and synthesis of angucyclinone AB-pyrido[2,3-*d*] pyrimidine analogues**

pp 703–706

Jaime A. Valderrama *, David Vásquez



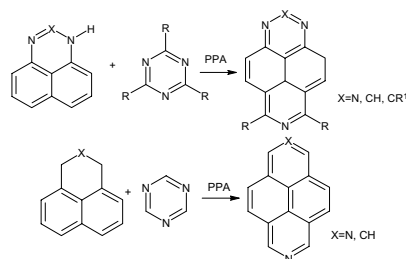
A straightforward access to angucyclinone AB-pyridopyrimidine analogues **15** from acylhydroquinones **4** and aminouracil **6** and preliminary evidence of their antitumour activity are reported.

**A new method for [*c,d*]pyridine *peri*-annulation: synthesis of azapyrenes from phenalenes and their dihydro derivatives**

pp 707–709

Alexander V. Aksenov *, Ivan V. Borovlev, Inna V. Aksenova, Sergey V. Pisarenko, Dmitry A. Kovalev

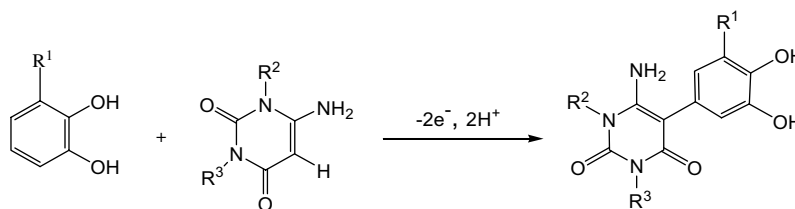
An effective synthesis of various azapyrenes from phenalenes and their dihydro derivatives has been developed using 1,3,5-triazines in polyphosphoric acid (PPA).



Electrochemical synthesis of 6-amino-5-(3,4-dihydroxyphenyl) pyrimidine

pp 710–714

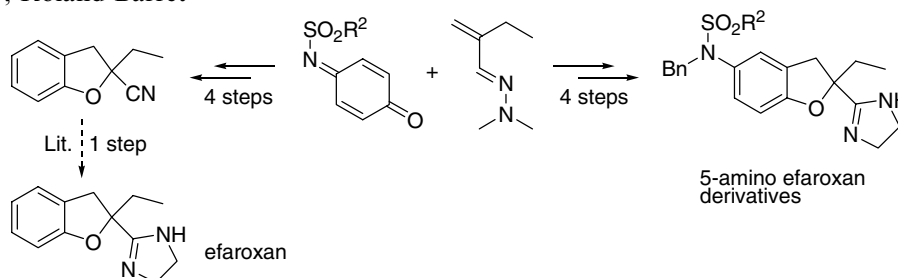
Saied Saeed Hosseiny Davarani *, Neda Shejjooni Fumani, Hamid Arvin-Nezhad, Farzaneh Moradi



A new access to efaroxan and its 5-amino derivatives

pp 715–718

Thierry Lomberget *, Roland Barret

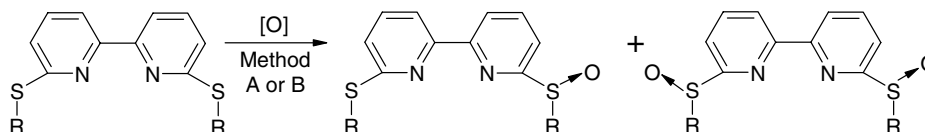


The formal total synthesis of (±)-efaroxan and the preparation of some 5-amino derivatives were achieved using a convergent strategy, based on a [3+2] cycloaddition reaction.

The first approach to optically active 2,2'-bipyridine alkyl sulfoxides

pp 719–722

Justyna Ławecka, Bogdan Bujnicki, Józef Drabowicz *, Andrzej Rykowski *

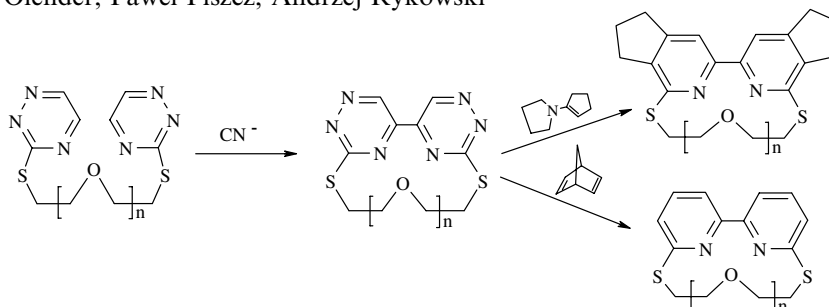


Method A: (+)-(8,8-dichlorocamphorylsulfonyl)oxaziridine; method B: modified Sharpless reagent.

Sequential homo-coupling Diels–Alder/retro Diels–Alder reaction of 5,5'-bi-1,2,4-triazine-containing thiamacrocycles as a new route to thiacycrown ethers incorporating a 2,2'-bipyridine subunit

pp 723–726

Justyna Ławecka, Ewa Olender, Paweł Piszcz, Andrzej Rykowski *

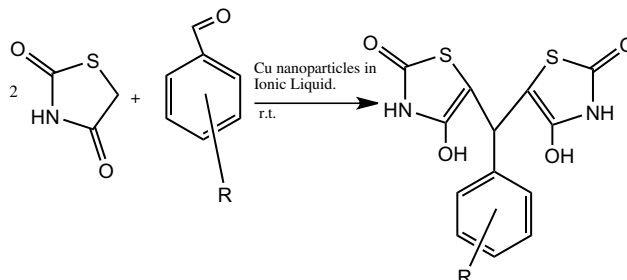


Copper nanoparticles in an ionic liquid: an efficient catalyst for the synthesis of bis-(4-hydroxy-2-oxothiazolyl)methanes

pp 727–730

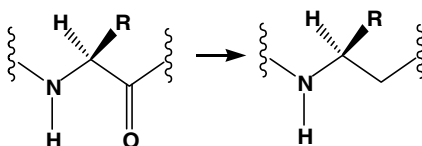
Prashant Singh, Anju Katyal, Rashmi Kalra, Ramesh Chandra *

Copper nanoparticles were synthesized and characterized by TEM, XRD and UV–vis techniques and were employed as the catalyst for the synthesis of bis-(4-hydroxy-2-oxothiazolyl)methanes in excellent yields and in short reaction times.

**Novel route in the synthesis of ψ [CH₂NH] amide bond surrogate**

pp 731–734

Pietro Campiglia, Claudio Aquino, Alessia Bertamino, Marina Sala, Isabel M. Gomez-Monterrey, Ettore Novellino, Paolo Grieco *



An alternative method for the synthesis of pseudopeptides containing a ψ [CH₂NH] amide bond surrogate is reported.

*Corresponding author

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