

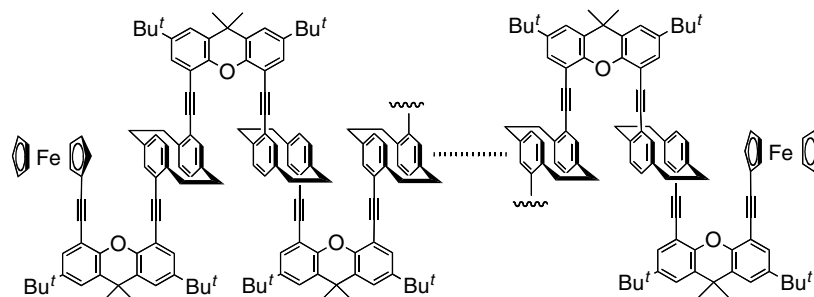
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COMMUNICATIONS

Construction of benzene ring-layered polymers

Yasuhiro Morisaki and Yoshiki Chujo*

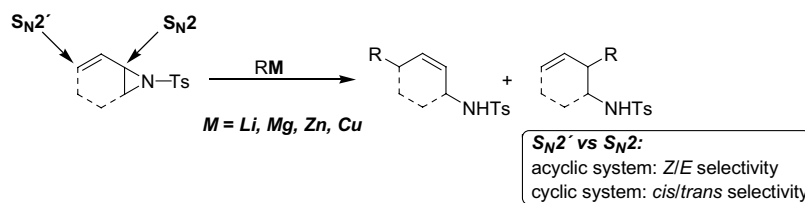
pp 2533–2537



Selectivity aspects of the ring opening reaction of 2-alkenyl aziridines by carbon nucleophiles

Rodrigo L. O. R. Cunha, Dennis G. Diego, Fábio Simonelli* and João V. Comasseto*

pp 2539–2542

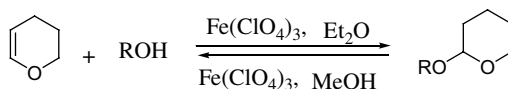


A series of common organometallic reagents were used in the reaction with an acyclic and a cyclic activated 2-alkenyl aziridines and the selectivity aspects for each aziridine was addressed.

Mild and efficient tetrahydropyranylation of alcohols and dehydropyranylation of THP ethers catalyzed by ferric perchlorate

Majid M. Heravi,* Farahnaz K. Behbahani, Hossien A. Oskooie and Rahim Hekmat Shoar

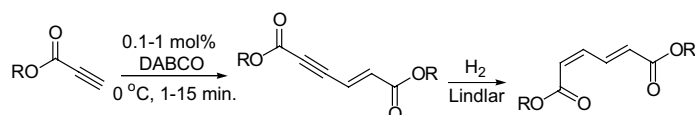
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Stereoselective synthesis of hex-2-(*E*)-en-4-yn-1,6-dioates and *E,Z*-muconic acid diesters via organo-catalyzed self-coupling of propiolates

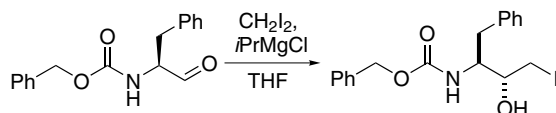
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P. Veeraraghavan Ramachandran,* Michael T. Rudd and M. Venkat Ram Reddy


2-Iodoethanols from aldehydes, diiodomethane and isopropylmagnesium chloride

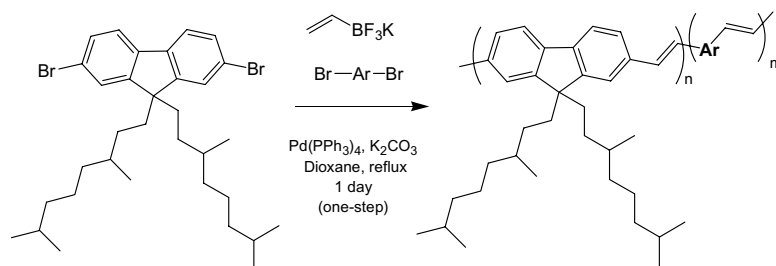
pp 2551–2554

Hannes A. Braun, Reinhard Meusinger and Boris Schmidt*


A novel synthetic protocol for poly(fluorenylenevinylene)s: a cascade Suzuki–Heck reaction

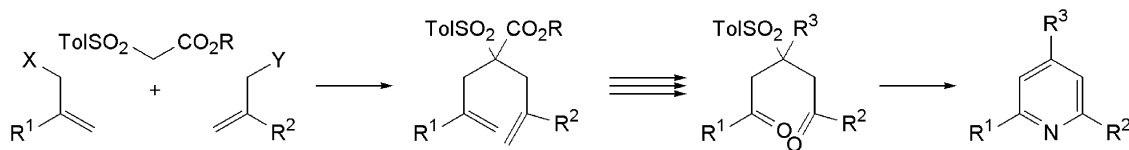
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Roberto Grisorio, Piero Mastroianni, Cosimo Francesco Nobile,* Giuseppe Romanazzi and Gian Paolo Suranna


Sulfone-mediated synthesis of polysubstituted pyridines

pp 2559–2562

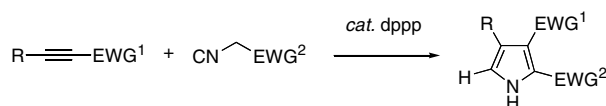
Donald Craig* and Gavin D. Henry



Phosphine-catalyzed regioselective heteroaromatization between activated alkynes and isocyanides leading to pyrroles

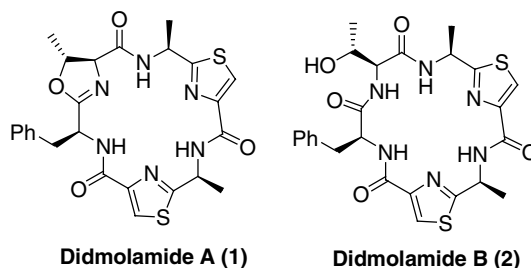
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Shin Kamijo, Chikashi Kanazawa and Yoshinori Yamamoto*

**Total synthesis of didmolamides A and B**

pp 2567–2570

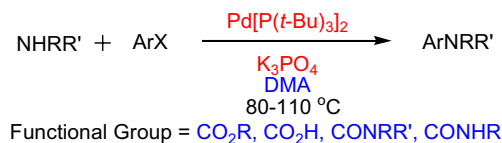
Shu-Li You and Jeffery W. Kelly*

**Pd-catalyzed amination in a polar medium: rate enhancement, convenient product isolation, and tandem Suzuki cross-coupling**

pp 2571–2575

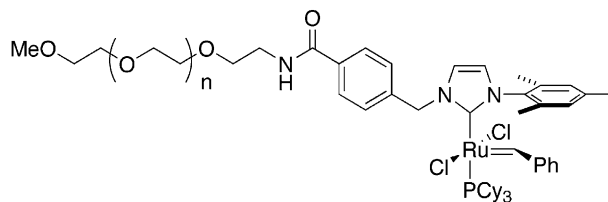
Shaun R. Stauffer* and Melissa A. Steinbeiser

A catalytic system utilizing a polar medium for the Pd-catalyzed amination reaction is described. This system utilizes $\text{Pd}[\text{P}(t\text{-Bu})_3]_2$ and a weak base and displays a modest rate enhancement compared to similar existing protocols. Significant functional group tolerance is observed in both amine and aryl halide, including carboxylates, carbamates, nitriles, amides, and esters. Product isolation after filtration and automated reverse-phase chromatography readily permits parallel synthetic approaches if desired.

**A neutral, water-soluble olefin metathesis catalyst based on an N-heterocyclic carbene ligand**

pp 2577–2580

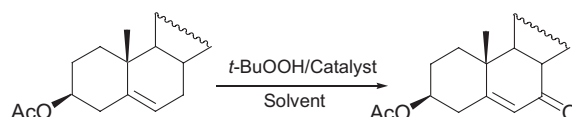
Justin P. Gallivan, Jason P. Jordan and Robert H. Grubbs*



Bismuth-catalyzed allylic oxidation using *t*-butyl hydroperoxide

pp 2581–2584

Jorge A. R. Salvador* and Samuel M. Silvestre

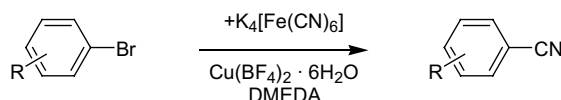


The selective allylic oxidation of unsaturated compounds proceeds in good yield using homogeneous or heterogeneous bismuth(III) salts as catalysts and *tert*-butyl hydroperoxide.

An environmentally benign procedure for the Cu-catalyzed cyanation of aryl bromides

pp 2585–2588

Thomas Schareina, Alexander Zapf and Matthias Beller*

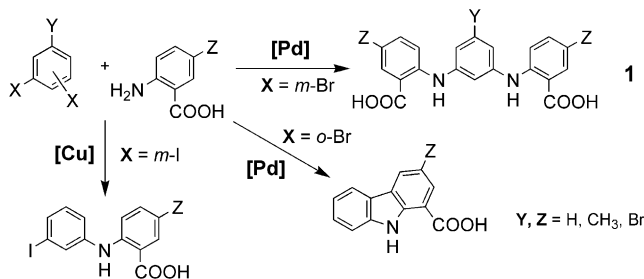


The development of a novel Cu-catalyzed synthesis of (hetero)aromatic nitriles from the corresponding aryl bromides and potassium hexacyanoferrate(II) is described. This protocol avoids the use of highly toxic alkali cyanides and precious palladium catalysts.

Palladium versus copper-catalyzed N-arylation towards an efficient access to polysubstituted dibenzophenanthrolines and carbazoles

pp 2589–2592

Clémence Jacquelin, Nicolas Saettel, Candide Hounsou and Marie-Paule Teulade-Fichou*

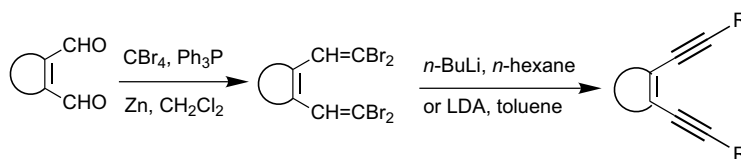


Compounds **1** are key precursors to polysubstituted dibenzophenanthrolines.

**Synthesis of arenediynes via the vinylidenecarbene–acetylene rearrangement**

pp 2593–2597

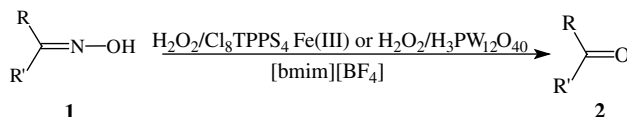
Bichismita Sahu, Irishi N. N. Namboothiri* and Rachel Persky



Metalloporphyrin and heteropoly acid catalyzed oxidation of C=NOH bonds in an ionic liquid: biomimetic models of nitric oxide synthase

pp 2599–2602

Nidhi Jain, Anil Kumar and Shive M. S. Chauhan*

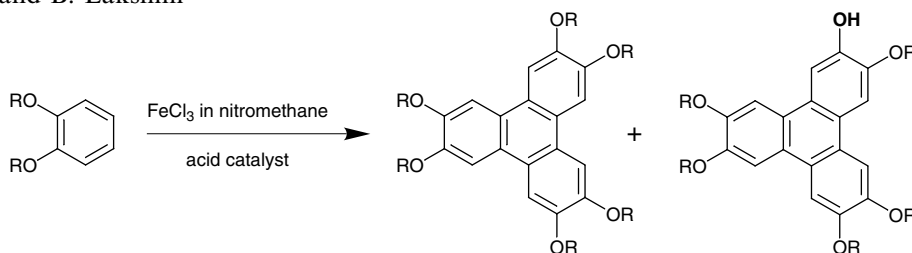


Water soluble iron(III) porphyrins and phosphotungstic acid in an ionic liquid serve as biomimetic models of nitric oxide synthase (NOS) for the H_2O_2 mediated oxidation of CNOH bond in *N*-hydroxyarginine and other oximes.

**A convenient and economic method for the synthesis of monohydroxy-pentaalkoxy- and hexaalkoxytriphenylene discotics**

pp 2603–2605

Sandeep Kumar* and B. Lakshmi

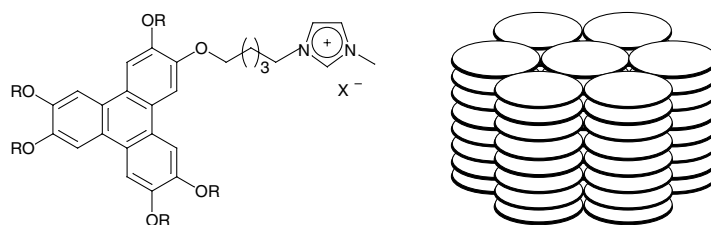


A one-step oxidative trimerization of *ortho*-dialkoxybenzenes using FeCl_3 in nitromethane and a catalytic amount of acid furnished a mixture of monohydroxy-pentaalkoxytriphenylene and hexaalkoxytriphenylene in good yield.

Synthesis and characterization of novel imidazolium-based ionic discotic liquid crystals with a triphenylene moiety

pp 2607–2610

Sandeep Kumar* and Santanu Kumar Pal

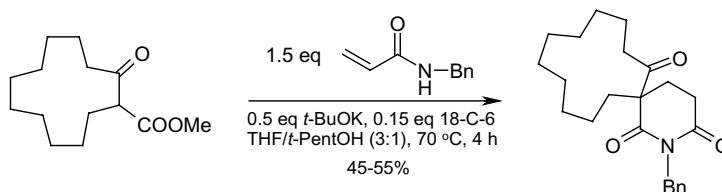


The synthesis, characterization and mesomorphic properties of two novel columnar mesophase-forming triphenylene-tethered imidazolium ionic liquid crystals are described.

A novel tandem process leading to functionalized glutarimides

pp 2611–2614

Jelena B. Popović-Dorđević, Milovan D. Ivanović* and Vesna D. Kiricojević



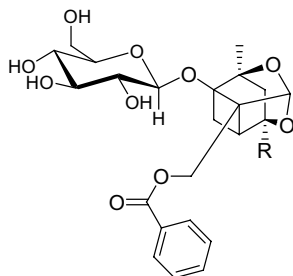
Twelve examples of spirobicyclic or 3-substituted glutarimides.



Sodium paeoniflorin sulfonate, a process derived artefact from paeoniflorin

pp 2615–2618

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

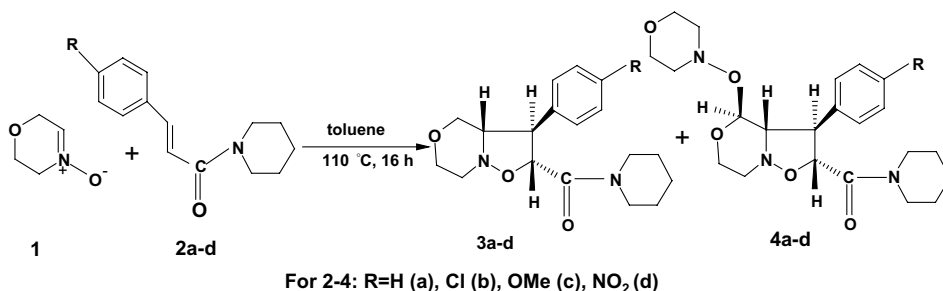


Sodium paeoniflorin sulfonate was isolated from processed *Paeonia lactiflora* roots and characterized by mass and NMR spectroscopy.

Unexpected cycloadducts from 1,3-dipolar cycloaddition of 3,4-dehydromorpholine *N*-oxide to *N*-cinnamoyl piperidines—first report of the novel formation of 2:1 cycloadducts

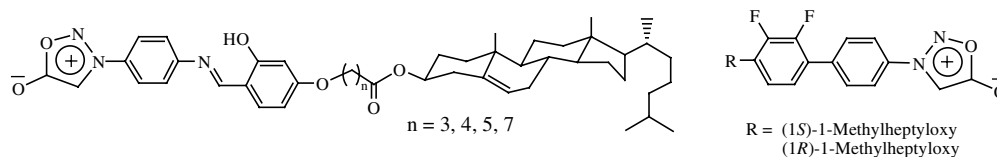
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Avijit Banerji,* Debasish Bandyopadhyay, Thierry Prangé and Alain Neuman

**Self-assembly of chiral mesoionic heterocycles into smectic phases: a new class of polar liquid crystal**

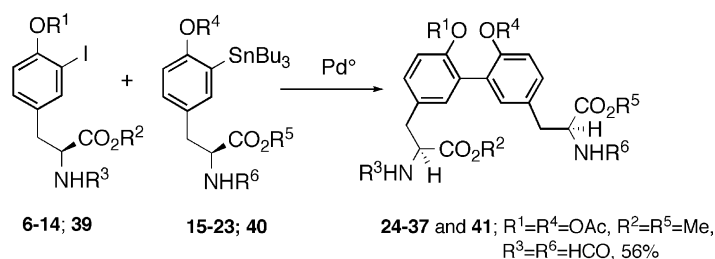
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C. V. Yelamagad,* Manoj Mathews, Uma S. Hiremath, D. S. Shankar Rao and S. Krishna Prasad

**A Stille biaryl-coupling approach to dityrosines. Formal total synthesis of Hazimycin**

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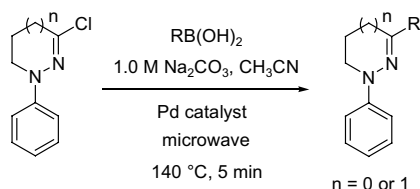
Said Achab* and Laurence Velay



Microwave-assisted cross-coupling of 3-chloro-2-pyrazolines and 3-chloro-1-phenyl-1,4,5,6-tetrahydropyridazine with aryl boronic acids

pp 2631–2634

Hong-Jun Wang,* Jeffrey Keilman, Chittari Pabba, Zhen-Jia Chen and Brian T. Gregg

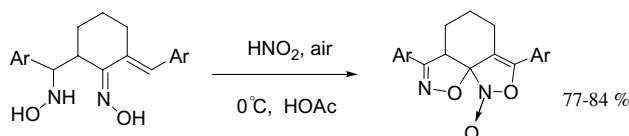


3-Chloro-1-phenyl-2-pyrazoline and 3-chloro-1-phenyl-1,4,5,6-tetrahydropyridazine were coupled with aryl boronic acids in good yields under microwave heating conditions (140 °C, 5 min).

**Nitrosation of β' -hydroxylamino- α,β -unsaturated oximes: synthesis of 1,7-dioxo-2,6-diaza-spiro[4.4]nona-2,8-diene ring system**

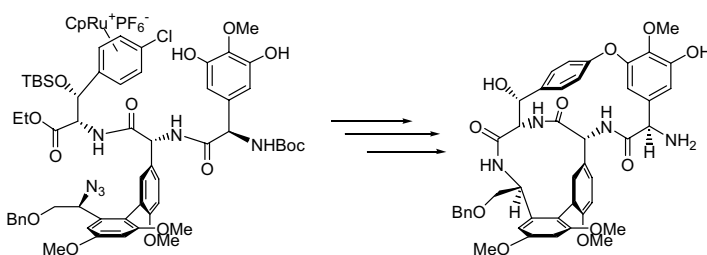
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Ananda S. Amarasekara

**Ruthenium mediated S_NAr reactions in synthetic approaches to ristocetin A aglycon: preparation of an ABCD ring intermediate**

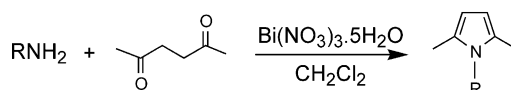
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Anthony J. Pearson* and Sheng Cui

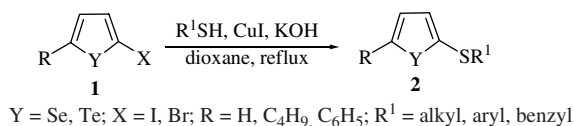
**A straightforward highly efficient Paal–Knorr synthesis of pyrroles**

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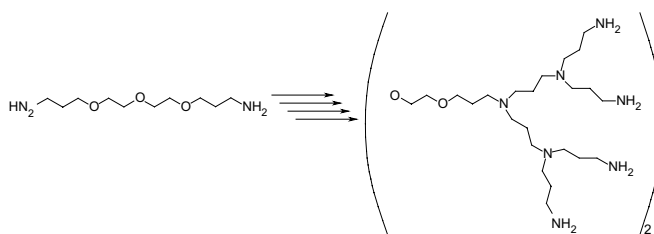
Bimal K. Banik,* Indrani Banik, Mercy Renteria and Swapan K. Dasgupta



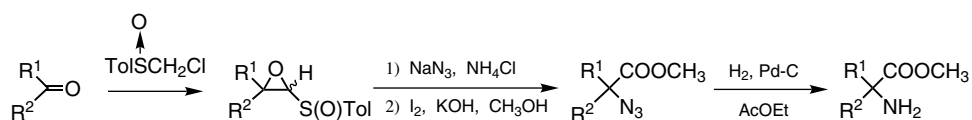
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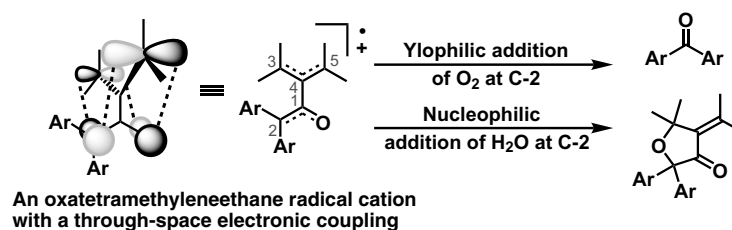
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 Tsuyoshi Satoh,* Mizue Hirano and Akio Kuroiwa



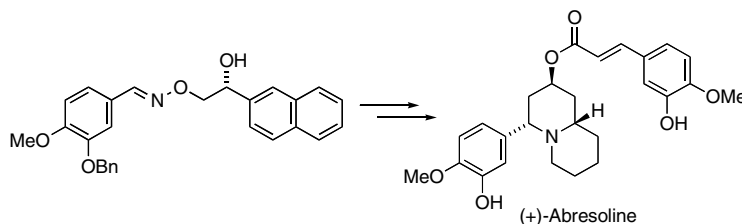
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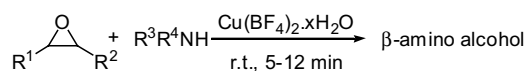
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Masakazu Atobe, Naoki Yamazaki and Chihiro Kibayashi*

**Copper(II) tetrafluoroborate-catalyzed ring-opening of epoxides by amines**

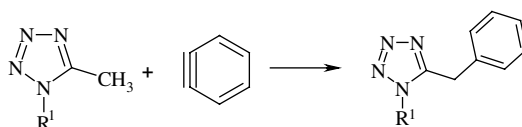
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**5-Benzyl-1H-tetrazols from the reaction of 1-aryl-5-methyl-1H-tetrazoles with 1,2-dehydrobenzene**

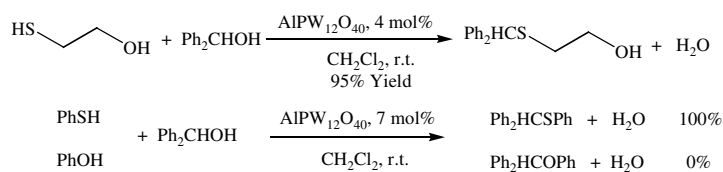
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Ashraf A. Aly* and Raafat M. Shaker

**An efficient and chemoselective method for protection of thiols catalyzed by aluminumdodecatungstophosphate (AlPW₁₂O₄₀), as a highly water tolerant Lewis acid catalyst**

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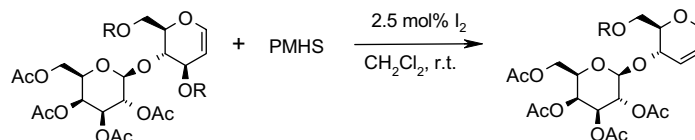
Habib Firouzabadi,* Nasser Iranpoor* and Abbas Ali Jafari



First example of the activation of polymethylhydrosiloxane with molecular iodine: a facile synthesis of 3,6-dihydropyran derivatives

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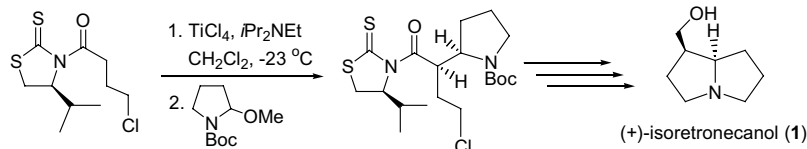
J. S. Yadav,* B. V. Subba Reddy, K. Premalatha and T. Swamy



The stereoselective addition of titanium(IV) enolates of 1,3-oxazolidin-2-one and 1,3-thiazolidine-2-thione to cyclic *N*-acyliminium ion. The total synthesis of (+)-isoretronecanol

pp 2691–2693

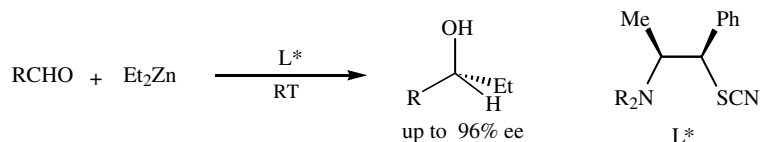
Elaine Pereira, Conceição de Fátima Alves, Maria Alice Böckelmann and Ronaldo A. Pilli*



Enantioselective addition of diethylzinc to aldehydes in the presence of chiral aprotic ligands

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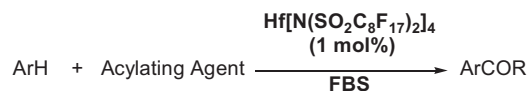
Myung-Jong Jin,* Young-Mok Kim and Kyoung-Soo Lee



Hf[N(SO₂C₈F₁₇)₂]₄-catalyzed Friedel–Crafts acylation in a fluorous biphasic system

pp 2697–2700

Xiuhua Hao, Akihiro Yoshida and Joji Nishikido*

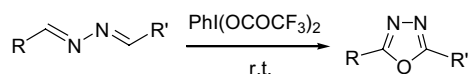


In a fluorous biphasic system Hf[N(SO₂C₈F₁₇)₂]₄ is a truly Friedel–Crafts acylation catalyst which can be efficiently recycled and reused.

Oxidative cyclization of aldazines with bis(trifluoroacetoxy)iodobenzene

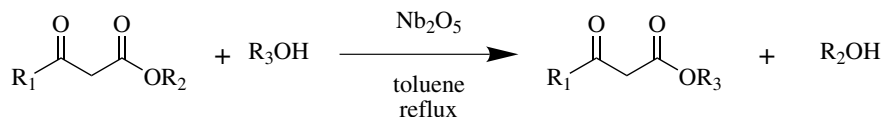
pp 2701–2704

Zhenhua Shang, John Reiner, Junbiao Chang* and Kang Zhao*

**Niobium(V) oxide: a new and efficient catalyst for the transesterification of β -keto esters**

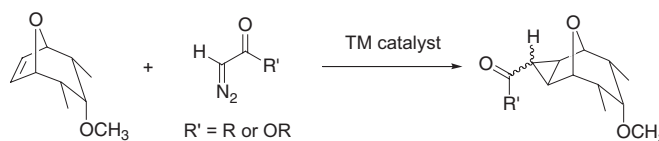
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Mirela Inês de Sairre, Érika Soares Bronze-Uhle and Paulo Marcos Donate*

**Metal-catalyzed cyclopropanation on the 8-oxabicyclo[3.2.1]oct-6-ene template**

pp 2709–2712

Sze-Kar Leung and Pauline Chiu*

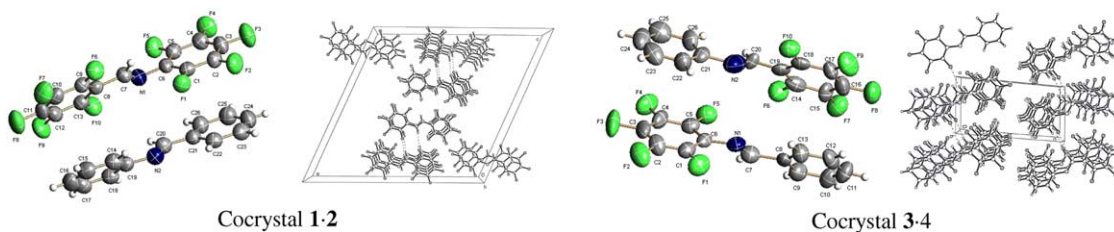


The reaction of metal carbenes on the 8-oxabicyclo[3.2.1]oct-6-ene template yielded *exo, exo*-cyclopropanes as the major products.

Strong phenyl–perfluorophenyl π – π stacking and C–H $\cdots$ F–C hydrogen bonding interactions in the crystals of the corresponding aromatic aldimines

pp 2713–2716

Shizheng Zhu,* Shifa Zhu, Guifang Jin and Zhanting Li*



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*Corresponding author

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