

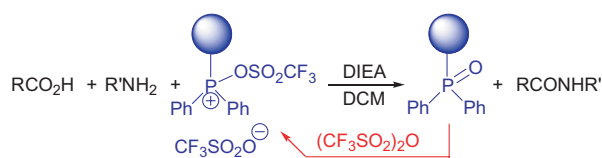
Contents

COMMUNICATIONS

Polymer-supported triphenylphosphine ditriflate: a novel dehydrating reagent

pp 2491–2493

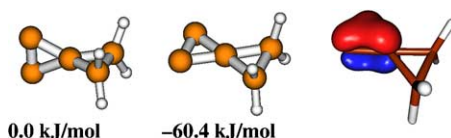
Kathryn E. Elson, Ian D. Jenkins* and Wendy A. Loughlin



The design of molecules containing planar tetracoordinate carbon

pp 2495–2498

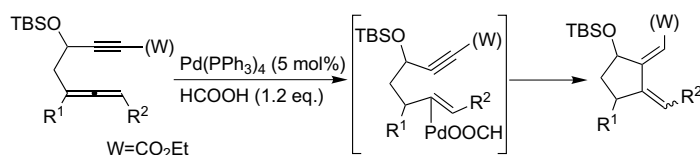
U. Deva Priyakumar,* A. Srinivas Reddy and G. Narahari Sastry*



Palladium-catalyzed cycloaddition of 5-allen-1-yne

pp 2499–2502

Chang Ho Oh,* Seung Hyun Jung, Dai In Park and Je Hun Choi

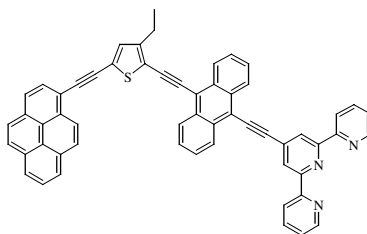


The palladium-catalyzed cycloaddition of 5-allen-1-yne gave the corresponding 1,2-bisalkylidenecyclopentanes in excellent chemoselectivity and chemical yields.

Synthesis of a multitopic pyrene–thiophene–anthracene-2,2':6',2''-terpyridine array

pp 2503–2506

Andrew C. Benniston,* Anthony Harriman, Donald J. Lawrie and Sarah A. Rostron

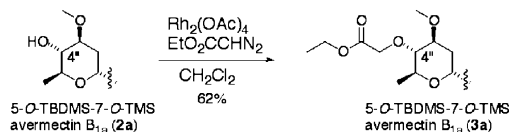


A Sonogashira coupling reaction involving three components has been used to create a multitopic 2,2':6',2''-terpyridine ligand that readily binds adventitious cations.

Synthesis of 4''-alkoxy avermectin derivatives using rhodium carbenoid-mediated O–H insertion reaction

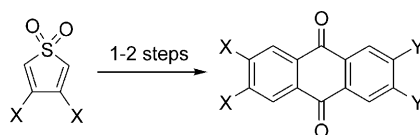
pp 2507–2509

Kenichiro Nagai, Toshiaki Sunazuka and Satoshi Ōmura*

**An efficient synthesis of substituted anthraquinones and naphthoquinones**

pp 2511–2513

David Bailey and Vance E. Williams*

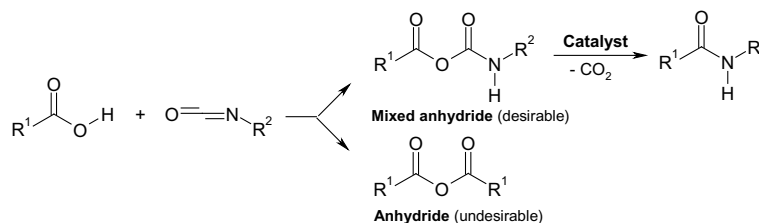


The synthesis of 6,7-disubstituted naphthoquinones and anthraquinones and 2,3,6,7-tetrasubstituted anthraquinones were developed using the reaction of thiophene dioxides with benzoquinone and naphthoquinone derivatives.

**A catalyst system for the reaction of carboxylic acids with aliphatic isocyanates**

pp 2515–2521

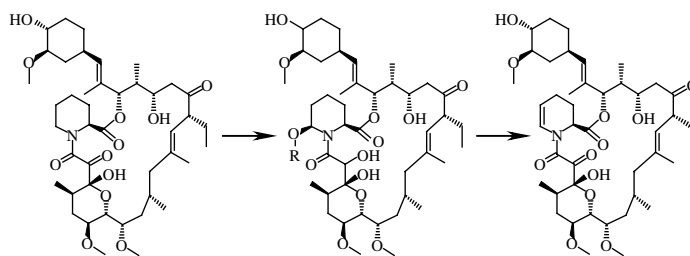
C. Gürtler* and K. Danielmeier



Novel analogues of ascomycin with modifications in the amino acid unit through photochemistry: the synthesis of 5,6-dehydroascomycin, SDZ ASQ 871

pp 2523–2526

Murty A. R. C. Bulusu,* Peter Waldstätten, Gerhard Schulz and Maximilian Grassberger

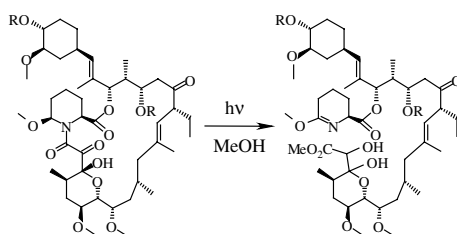


Several derivatives of ascomycin are prepared using photochemistry and subsequent transformations of the photoproduct.

Selective photochemical cleavage of an α -ketoamide in a highly functionalised macrolide ascomycin

pp 2527–2530

Murty A. R. C. Bulusu,* Peter Waldstätten, Thomas Tricotett and Gerhard Schulz

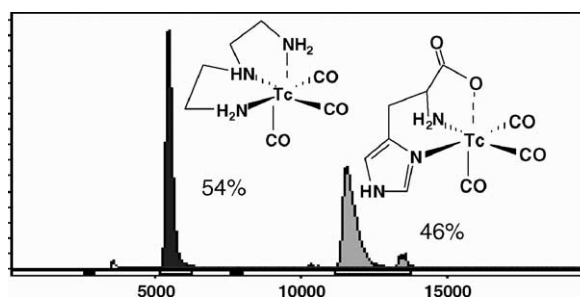


(6-*S*)-Methoxyascomycin and its protected derivatives undergo cleavage of the pipercolic acid amide bond upon irradiation in MeOH. The potential of this reaction towards a semi-synthetic strategy is explored.

Comparison of tridentate ligands in competition experiments for their ability to form a [$^{99m}\text{Tc}(\text{CO})_3$] complex

pp 2531–2534

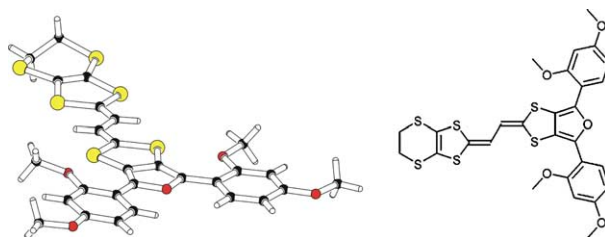
Dirk Rattat, Kristof Eraets, Bernard Cleynhens, Hector Knight, Humphrey Fonge and Alfons Verbruggen*



Exceptional electron donating ability of an extended tetrathiafulvalene derivative

pp 2535–2539

Tahir Khan, Peter J. Skabara,* Pierre Frère, Magali Allain, Simon J. Coles and Michael B. Hursthouse

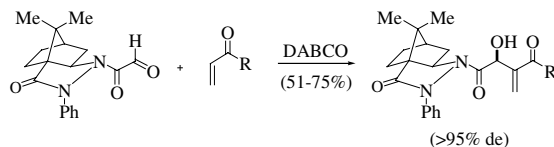


We report the synthesis, crystal structures and redox chemistry of two new TTF derivatives bearing fused triaryl units. Both compounds show significant planarisation within conjugated regions, assisted by close intramolecular S...O contacts. The extended-TTF analogue displays multi-redox activity and can be oxidised sequentially to the tetracation species.

Diastereoselective Baylis–Hillman reaction using *N*-glyoxyloyl camphorpyrazolidinone as an electrophile: synthesis of optically pure 2-hydroxy-3-methylene succinic acid derivative

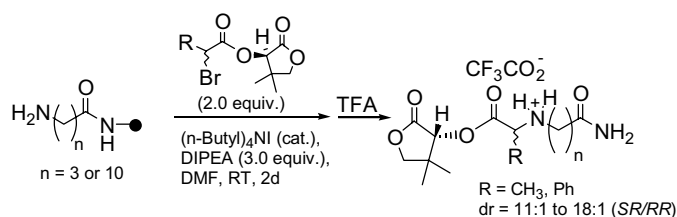
pp 2541–2543

Jia-Fu Pan and Kwunmin Chen*


Dynamic kinetic resolution (DKR) using immobilized amine nucleophiles

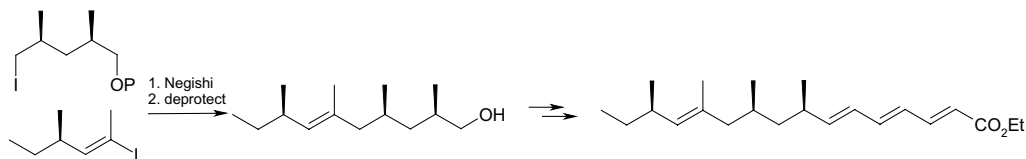
pp 2545–2549

Yevgeny Valenrod, Jinnie Myung and Robert N. Ben*


An improved synthesis of the scyphostatin side-chain

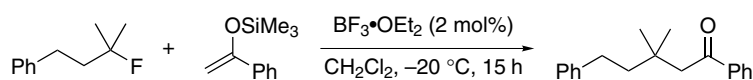
pp 2551–2554

Graeme D. McAllister and Richard J. K. Taylor*


Boron trifluoride-catalyzed reaction of alkyl fluoride with silyl enolate, allylsilane, and hydrosilane

pp 2555–2557

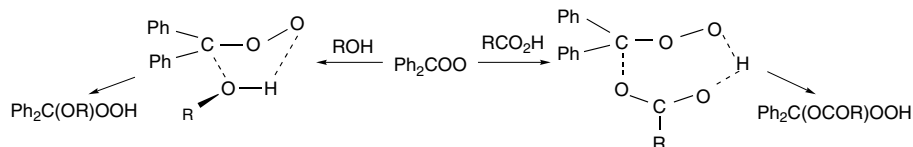
Koji Hirano, Kazuya Fujita, Hideki Yorimitsu, Hiroshi Shinokubo and Koichiro Oshima*



Cyclic mechanism in the trapping of carbonyl oxides with alcohols and carboxylic acids

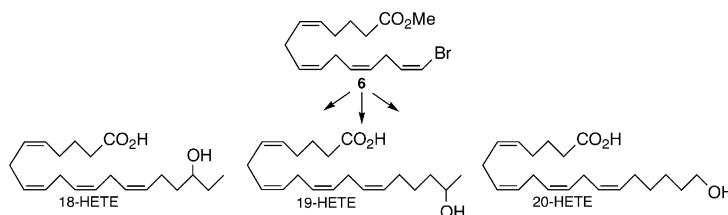
pp 2559–2561

Hiroshi Hanaki, Yuta Fukatsu, Masaki Harada and Yasuhiko Sawaki*


A practical, stereospecific route to 18-, 19-, and 20-hydroxyeicosa-5(Z),8(Z),11(Z),14(Z)-tetraenoic acids (18-, 19-, and 20-HETEs)

pp 2563–2565

V. Raj Gopal, S. G. Jagadeesh, Y. Krishna Reddy, A. Bandyopadhyay, Jorge H. Capdevila and J. R. Falck*

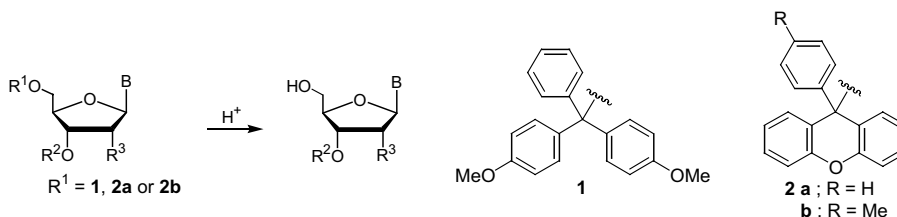


Suzuki–Miyaura cross-coupling of *cis*-vinylbromide **6** with functionalized boranes provides a practical, stereospecific route to the title CYP P450 eicosanoids.

Alternatives to the 4,4'-dimethoxytrityl (DMTr) protecting group

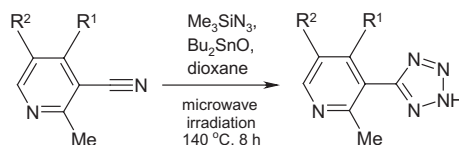
pp 2567–2570

Colin B. Reese* and Hongbin Yan


Microwave-assisted synthesis of sterically hindered 3-(5-tetrazolyl)pyridines

pp 2571–2573

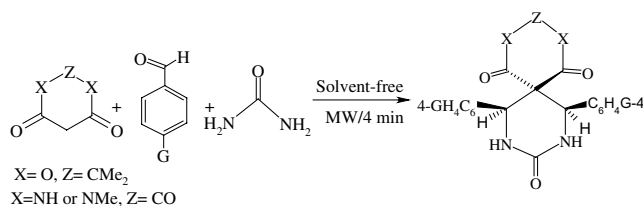
Igor V. Bliznets, Andrei A. Vasil'ev, Sergey V. Shorshnev, Aleksandr E. Stepanov and Sergey M. Lukyanov*



Microwave-assisted efficient synthesis of spiro-fused heterocycles under solvent-free conditions

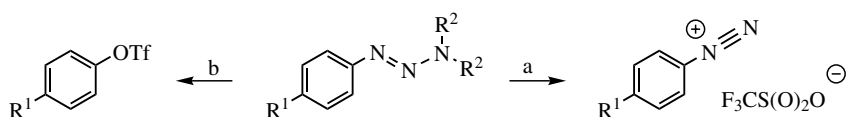
pp 2575–2577

Ahmad Shaabani* and Ayoob Bazgir

**The sequel to a carbocyclic nucleoside synthesis: a divergent access to both arenediazonium ions and aryl triflates**

pp 2579–2583

C. Picherit, F. Wagner and D. Uguen*

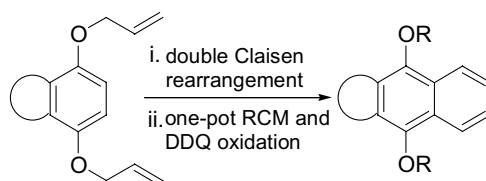


a: addition of TfOH (2 eq.) to a AcOEt (or CH₂Cl₂) solution of the triazene
b: slow addition of the triazene to excess TfOH

A new protocol for benzoannulation by double Claisen rearrangement and ring-closing metathesis reactions as key steps

pp 2585–2588

Sambasivarao Kotha* and Kalyaneswar Mandal

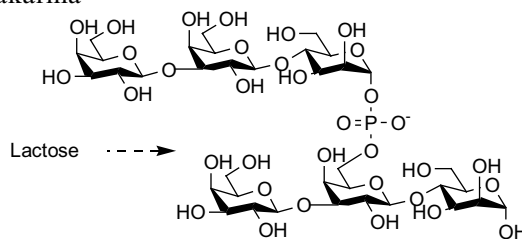


A new methodology for benzoannulation has been developed by using double Claisen rearrangement followed by a one-pot ring-closing metathesis and DDQ oxidation sequence.

A facile and novel route to the antigenic branched phosphoglycan of the protozoan *Leishmania major* parasite

pp 2589–2592

Dipali Ruhela and Ram A. Vishwakarma*



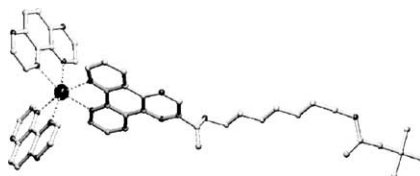
A novel approach for the iterative synthesis of the antigenic branched phosphoglycan of the protozoan parasite *Leishmania major* is presented that exploits the remarkable dual selectivity in D-lactal, providing flexibility to extend the phosphoglycan chain either towards the reducing or non-reducing ends.



Preparation of a new ruthenium(II) building block for the synthesis of mixed-metal complexes

pp 2593–2596

Isabelle Meistermann, Ganna V. Kalayda, Anna C. G. Hotze and Jan Reedijk*

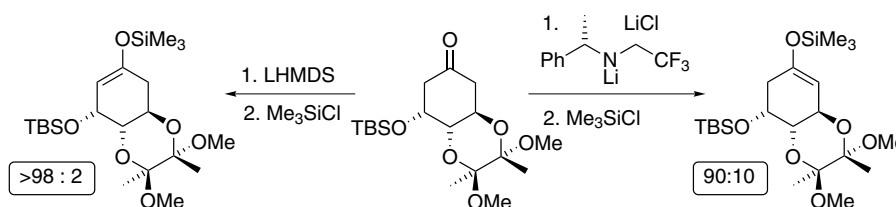


A new tris(dimine)ruthenium(II) complex containing a free flexible tail on one ligand, available for the coordination of a second metal, has been synthesised.

Lithium enolates from a (–)-quinic acid-derived cyclohexanone with a β-alkoxy leaving group: regioselective preparation and evaluation of enolate stability towards β-elimination

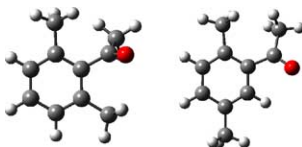
pp 2597–2601

Lynne M. Murray, Peter O'Brien,* Richard J. K. Taylor and Stefan Wünnemann

**Relationship between the structure and enantioselectivity in the asymmetric reduction of 2',6'-disubstituted acetophenones with DIP-Chloride™. An ab initio study**

pp 2603–2605

P. Veeraraghavan Ramachandran,* Baoqing Gong, Herbert C. Brown and Joseph S. Francisco

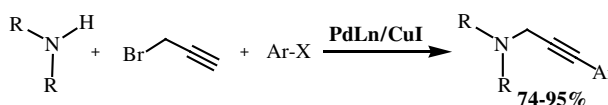


The % ee achieved in the asymmetric reduction of ring-substituted acetophenones is related to the dihedral angle between the plane of the aromatic ring the plane containing the carbonyl group.

Tandem amine propargylation-Sonogashira reactions: new three-component coupling leading to functionalized substituted propargylic amines

pp 2607–2610

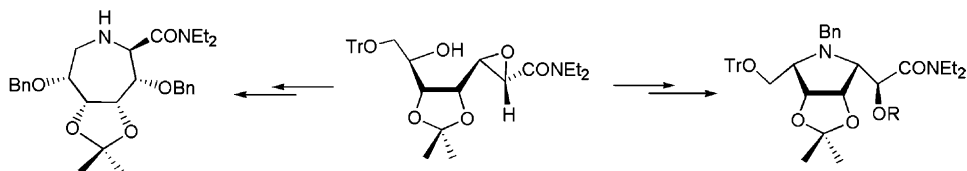
Nathanaël Olivi, Philippe Spruyt, Jean-François Peyrat, Mouâd Alami* and Jean-Daniel Brion



Iminosugars from α,β -epoxyamides. Part 2: Synthetic approach to hydroxylated pyrrolidine and azepane derivatives

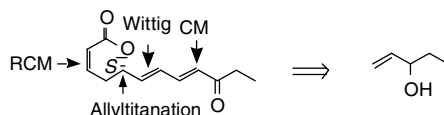
pp 2611–2613

C. Assiego, M. S. Pino-González* and F. J. López-Herrera

**Natural (5'-oxoheptene-1'E,3'E-dienyl)-5,6-dihydro-2H-pyran-2-one: total synthesis and revision of its absolute configuration**

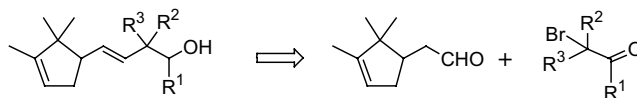
pp 2615–2617

Samir Bouzbouz,* Elsa de Lemos, Janine Cossy,* Jairo Saez, Xavier Franck and Bruno Figadère*

**Synthesis of Polysantol® and related sandalwood-type odorants using magnesium α -bromoketone enolates**

pp 2619–2622

Juan M. Castro, Pablo J. Linares-Palomino, Sofía Salido, Joaquín Altarejos,* Manuel Nogueras and Adolfo Sánchez

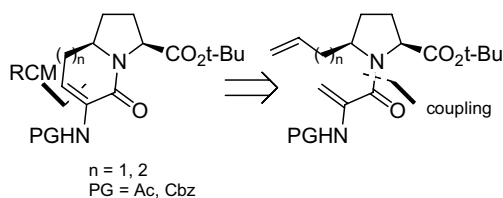


The syntheses of the odorant Polysantol® and related compounds are based on a selective magnesium-mediated aldol reaction of α -campholenic aldehyde with several α -bromoketones.

The first example of ring-closing olefin metathesis of dehydroamino acids: an application to the synthesis of azabicyclo[X.Y.0]alkanes

pp 2623–2625

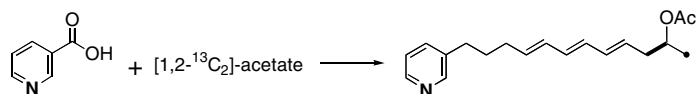
Leonardo Manzoni,* Matteo Colombo and Carlo Scolastico



Polyketide origin of 3-alkylpyridines in the marine mollusc *Haminoea orbignyana*

pp 2627–2629

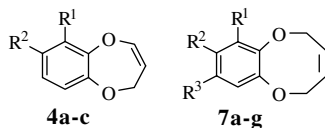
Adele Cutignano, Guido Cimino, Antonella Giordano, Giuliana d'Ippolito and Angelo Fontana*



Synthesis of 2*H*-1,5-benzodioxepin and 2,5-dihydro-1,6-benzodioxocin derivatives via ring-closing metathesis reaction

pp 2631–2633

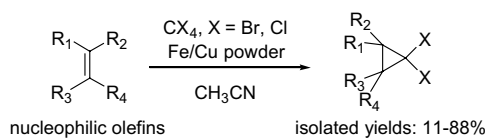
R. Mamouni, M. Soukri, S. Lazar, M. Akssira and G. Guillaumet*



***gem*-Dihalocyclopropane formation by iron/copper activation of tetrahalomethanes in the presence of nucleophilic olefins. Evidence for a carbene pathway**

pp 2635–2638

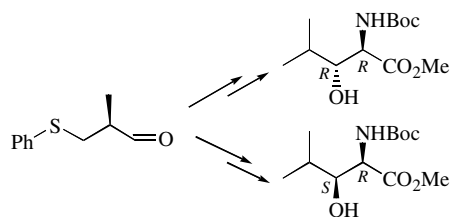
Eric Léonel,* Michael Lejaye, Sylvain Oudeyer, Jean Paul Paugam and Jean-Yves Nédélec



Stereoselective synthesis of (2*R*,3*R*) and (2*R*,3*S*)-3-hydroxyleucines

pp 2639–2641

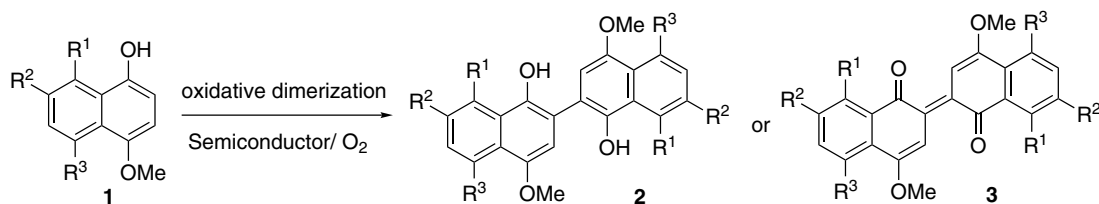
Sadagopan Raghavan* and K. A. Tony



Efficient oxidative dimerization of 1-naphthols to 2,2'-binaphthyls with dioxygen mediated by semiconductors

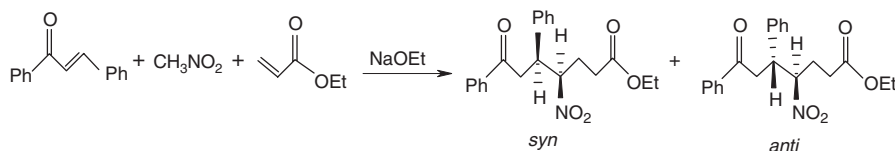
pp 2643–2647

Tsuyoshi Otsuka, Iwao Okamoto, Eiichi Kotani and Tetsuya Takeya*


A facile synthesis of 1,7-dicarbonyl compounds via three-component Michael addition reactions

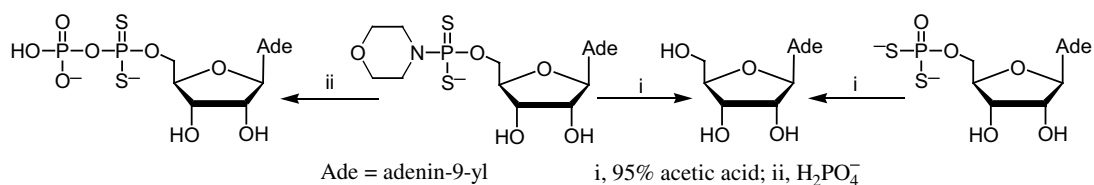
pp 2649–2651

Apurba Chetia, Chandan J. Saikia, Kushal C. Lekhok and Romesh C. Boruah*


Further studies with adenosine 5'-dithiophosphoramidate. A convenient preparation of nucleoside phosphorodithioates by a 'triester' approach

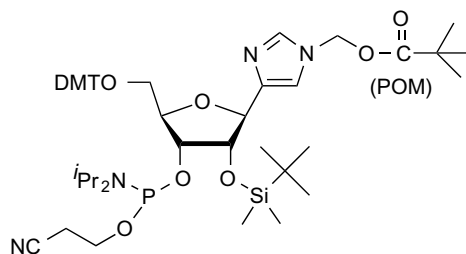
pp 2653–2656

Colin B. Reese* and Hongbin Yan


Synthesis of C4-linked imidazole ribonucleoside phosphoramidite with pivaloyloxymethyl (POM) group

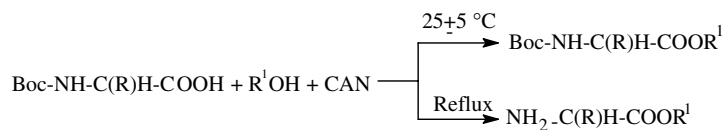
pp 2657–2661

Lisa Araki, Shinya Harusawa,* Maho Yamaguchi, Sumi Yonezawa, Natsumi Taniguchi, David M. J. Lilley, Zheng-yun Zhao and Takushi Kurihara



Ceric ammonium nitrate (CAN) mediated esterification of *N*-Boc amino acids allows either retention or removal of the *N*-Boc group pp 2663–2665

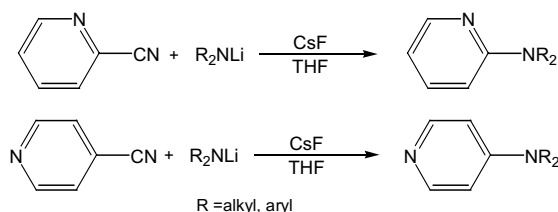
Ashani Kuttan, Shiek Nowshudin and M. N. A. Rao*



N-Boc amino acids reacted with ceric ammonium nitrate in alcohol to give the corresponding *N*-Boc amino acid esters and at reflux temperature to give simple amino acid esters.

Synthesis of aminopyridines via an unprecedented nucleophilic aromatic substitution of cyanopyridines pp 2667–2669

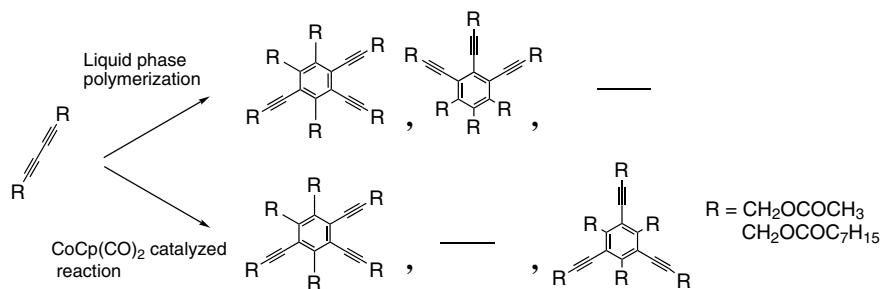
Jonathan M. Penney*



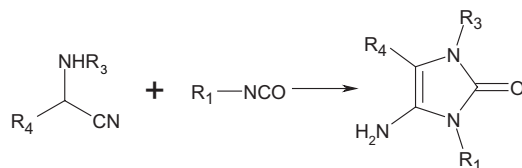
The direct reaction of 2- and 4-cyanopyridines with lithium amides affords good yields of the corresponding aminopyridines via displacement of cyanide. Addition of CsF accelerates the reaction and can lead to significantly higher yields.

Noncatalytic, solvent-free thermal formation of cyclic trimers using 1,6-bis(acyloxymethyl)-hexa-2,4-diyne derivatives pp 2671–2675

Shin-ichi Taniguchi, Toshihiro Yokoi, Akira Izuoka, Michio M. Matsushita and Tadashi Sugawara*


An efficient synthesis of 5-aminoimidazol-2-ones via cyclization reactions of 2-aminoacetonitriles and isocyanates pp 2677–2679

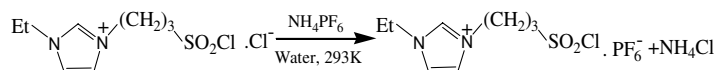
Benjamin W. Parcher, Derek M. Erion and Qun Dang*



A novel task-specific ionic liquid for Beckmann rearrangement: a simple and effective way for product separation

pp 2681–2683

Jianzhou Gui, Youquan Deng, Zhide Hu and Zhaolin Sun*

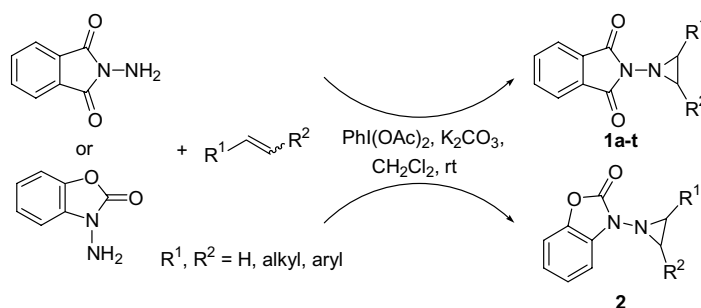


Catalytic Beckmann rearrangement of oximes is investigated in a novel task-specific ionic liquid consisting sulfonyl chloride with easy separation of the products by extraction with water.

Aziridination of alkenes with N-substituted hydrazines mediated by iodobenzene diacetate

pp 2685–2688

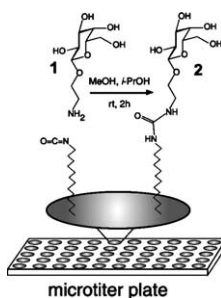
Jiayin Li, Jiang-Lin Liang, Philip Wai Hong Chan and Chi-Ming Che*



Assembly of sugars on polystyrene plates: a new facile microarray fabrication technique

pp 2689–2692

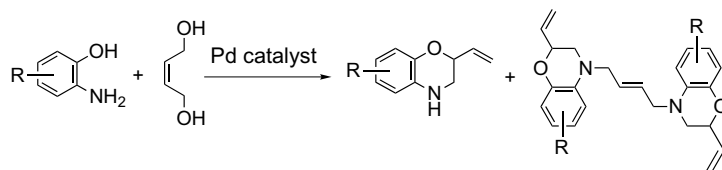
Fabio Fazio, Marian C. Bryan, Hing-Ken Lee, Aileen Chang and Chi-Huey Wong*



Palladium-catalyzed regiospecific tandem allylation of 2-aminophenols using 2-butene-1,4-diol

pp 2693–2697

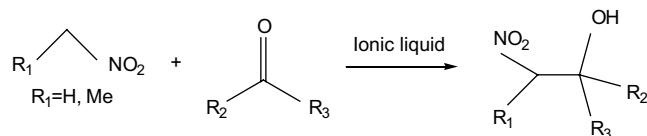
Shyh-Chyun Yang,* Hwe-Chen Lai and Yan-Chiu Tsai



Ionic liquid catalyzed Henry reactions

pp 2699–2701

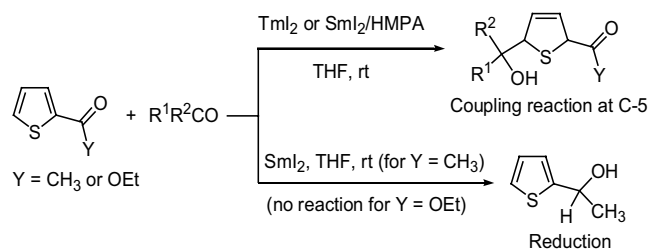
Tao Jiang,* Haixiang Gao, Buxing Han,* Guoying Zhao, Yanhong Chang, Weize Wu, Liang Gao and Guanying Yang



Comparative study of TmI₂, SmI₂, and SmI₂/HMPA in the cross-coupling reactions of 2-acetylthiophene and thiophene-2-carboxylate with carbonyl compounds

pp 2703–2707

Jiun-Jie Shie, Penny S. Workman, William J. Evans* and Jim-Min Fang*




OTHER CONTENTS

Contributors to this issue
Instructions to contributors

p I
pp III–V

*Corresponding author

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CONTENTS
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