

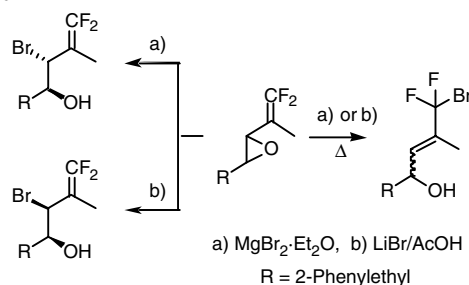
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Highly regio- and stereocontrolled brominations of *gem*-difluorinated vinyloxiranes

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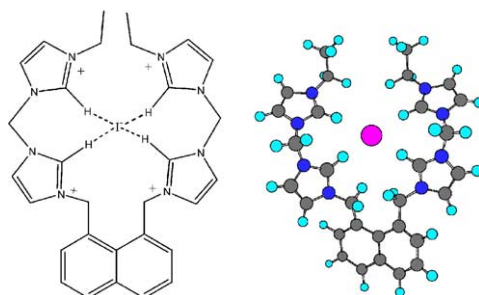
Hisanori Ueki and Tomoya Kitazume*



Iodide selective fluorescent anion receptor with two methylene bridged bis-imidazolium rings on naphthalene

pp 5443–5445

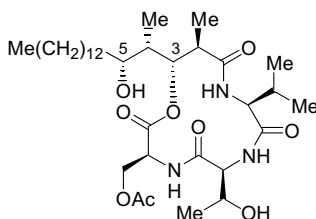
Hyungil Kim and Jongmin Kang*



Total synthesis of stevastelin B3

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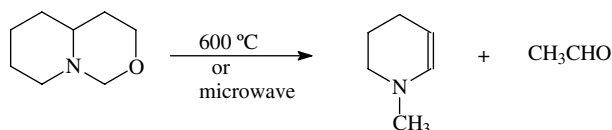
Tushar Kanti Chakraborty,* Subhash Ghosh, Pasunoori Laxman, Shantanu Dutta and Rajarshi Samanta



Pyrolysis of perhydro[1,2-*c*][1,3]oxazines: a green method of synthesizing 2,3-dehydropiperidine enamines

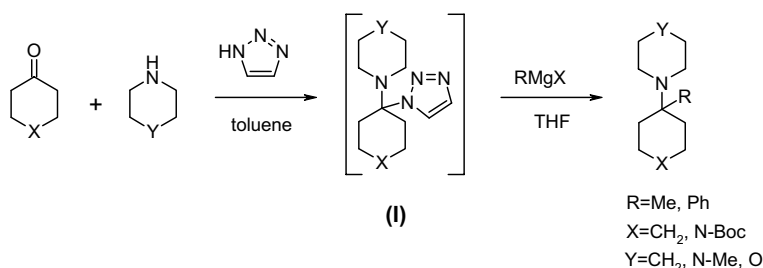
pp 5451–5454

A. Gilbert Cook,* Christine A. Schering, Pauline A. Campbell and Samantha S. Hayes


1,2,3-Triazole as a safer and practical substitute for cyanide in the Bruylants reaction for the synthesis of tertiary amines containing tertiary alkyl or aryl groups

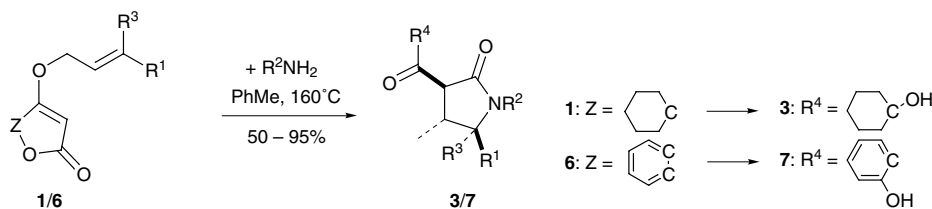
pp 5455–5458

Mahavir Prashad,* Yugang Liu, Denis Har, Oljan Repič and Thomas J. Blacklock


Domino conversions of allyl tetronates and 4-allyloxy coumarins to all-*trans* 1,3,4,5-tetrasubstituted γ -butyrolactams

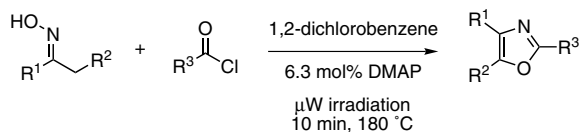
pp 5459–5462

Rainer Schobert,* Arno Bieser, Gillian Mullen and Gary Gordon


Microwave promoted oxazole synthesis: cyclocondensation cascade of oximes and acyl chlorides

pp 5463–5466

Peter Wipf,* Joan M. Fletcher and Laura Scarone

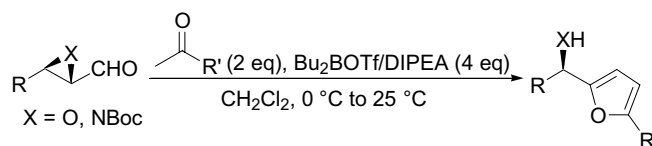


Microwave irradiation promotes the rapid *O,N*-acylation–cyclodehydration cascade reaction of oximes and acid chlorides to give oxazoles.

Stereocontrolled synthesis of α -furyl amines and α -furyl carbinols

pp 5467–5469

Giuliana Righi,* Roberto Antonioletti, Simona Ciabrone and Francesco Fiorini

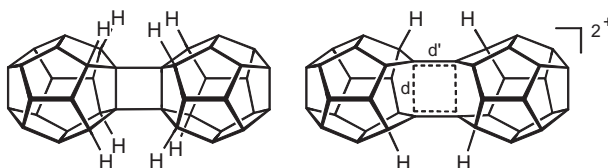


A novel stereocontrolled synthesis of optically active α -furyl amines and α -furyl carbinols from α,β -aziridine and α,β -epoxy aldehydes using a *one-pot* aldol reaction–intramolecular enolcyclization is described.

From unsaturated dodecahedranes to C_{40} cages?

pp 5471–5474

Klaus Weber, Thorsten Voss, Dirk Heimbach, Andreas Weiler, Manfred Keller, Jürgen Wörth, Lothar Knothe, Kai Exner and Horst Prinzbach*

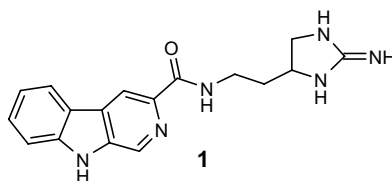


(2+2)-Dimerization of unsaturated, highly pyramidalized dodecahedranes ($\Phi = 43\text{--}45^\circ$) is examined as a route to C_{40} cage molecules and non-classical ions derived thereby.

**Isolation and synthesis of a novel β -carboline guanidine derivative tiruchanduramine from the Indian ascidian *Synoicum macroglossum***

pp 5475–5478

K. Ravinder, A. Vijender Reddy, P. Krishnaiah, P. Ramesh, S. Ramakrishna, H. Laatsch and Y. Venkateswarlu*

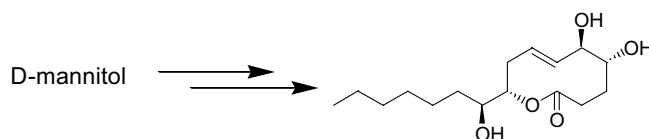


The isolation and synthesis of a novel β -carboline guanidine alkaloid, tiruchanduramine, a potent α -glucosidase inhibitor from the Indian ascidian *Synoicum macroglossum* has been achieved.

Total synthesis of (–)-microcarpalide from D-mannitol

pp 5479–5481

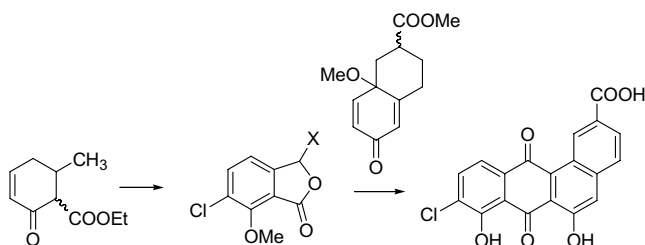
Subhash Ghosh,* R. Vengal Rao and J. Shashidhar



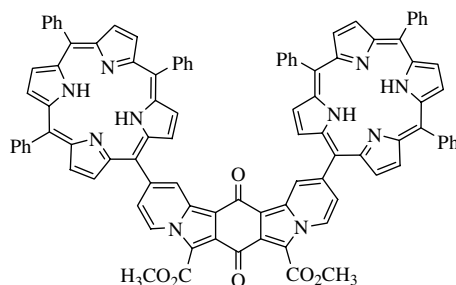
Total synthesis of BE-23254, a chlorinated angucycline antibiotic

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Satyajit Dey and Dipakranjan Mal*

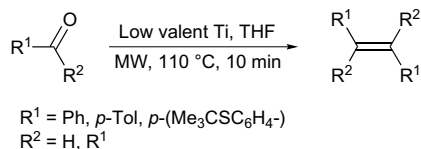
**Novel porphyrin-quinone architectures via 1,3-dipolar cycloaddition reactions**

pp 5487–5490

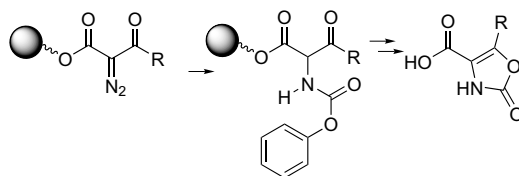
Shengxian Zhao, Maria G. P. M. S. Neves, Augusto C. Tomé,
Artur M. S. Silva and José A. S. Cavaleiro***Utilization of microwave heating in the McMurry reaction for facile coupling of aldehydes and ketones to give alkenes**

pp 5491–5494

Nicolai Stühr-Hansen

**Solid-phase synthesis of oxazolones and other heterocycles via Wang resin-bound diazocarbonyls**

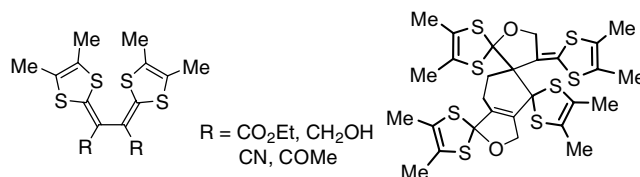
pp 5495–5498

Makoto Yamashita, Sang-Hyeup Lee, Guido Koch, Juerg Zimmermann, Bruce Clapham*
and Kim D. Janda*

A simple route to novel functionalized tetrathiafulvalene vinylogues

pp 5499–5502

Michel Guerro and Dominique Lorcy*

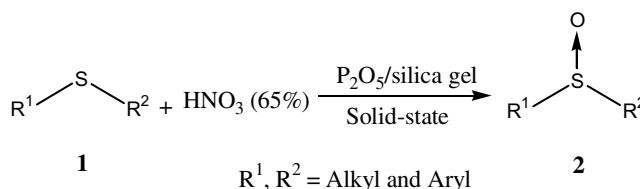


A novel route to vinylogous tetrathiafulvalenes (TTFV) bearing functional groups (R) on the central conjugation has been developed. An unexpected evolution of the bis(hydroxymethyl) TTFV leading to a derivative, which acts simultaneously as a diene and a dienophile in a Diels–Alder reaction is described.

Nitric acid in the presence of supported P_2O_5 on silica gel: an efficient and novel reagent for oxidation of sulfides to the corresponding sulfoxides

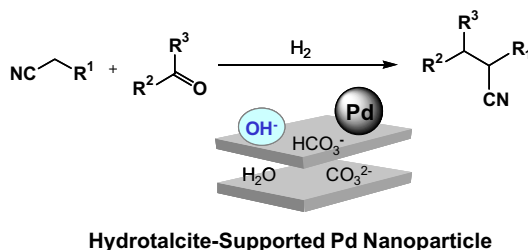
pp 5503–5506

Abdol R. Hajipour,* Behzad Kooshki and Arnold E. Ruoho

**One-pot synthesis of α -alkylated nitriles with carbonyl compounds through consecutive aldol reaction/hydrogenation using a hydrotalcite-supported palladium nanoparticle as a multifunctional heterogeneous catalyst**

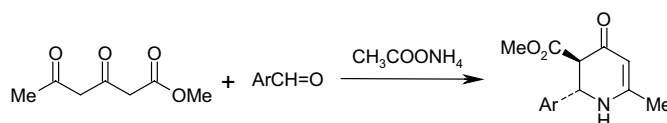
pp 5507–5510

Ken Motokura, Noriaki Fujita, Kohsuke Mori, Tomoo Mizugaki, Kohki Ebitani and Kiyotomi Kaneda*

**A new convenient synthesis of functionalized 2,3-dihydro-4-pyridones**

pp 5511–5514

Jan Svetlik,* Viktor Kettmann and Barbara Zaleska

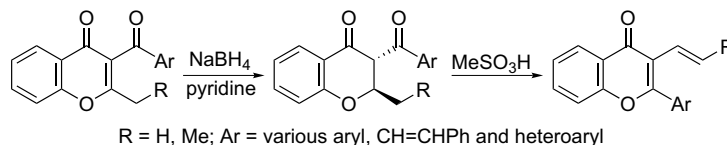


A new and diastereoselective approach to the synthesis of substituted 2,3-dihydro-4-pyridones is described.

Synthesis of 3-alkenyl-2-arylchromones and 2,3-dialkenylchromones via acid-catalysed retro-Michael ring opening of 3-acylchroman-4-ones

pp 5515–5519

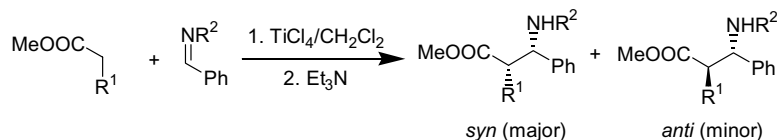
David S. Clarke, Christopher D. Gabbutt,* John D. Hepworth and B. Mark Heron



Stereoselective synthesis of *syn*- β -amino esters using the $\text{TiCl}_4/\text{R}_3\text{N}$ reagent system

pp 5521–5524

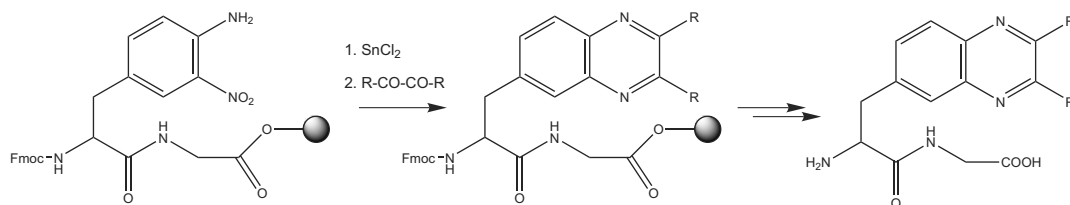
Mariappan Periasamy,* Suriseti Suresh and Subramaniapillai Selva Ganesan



Direct solid-phase synthesis of quinoxaline-containing peptides

pp 5525–5528

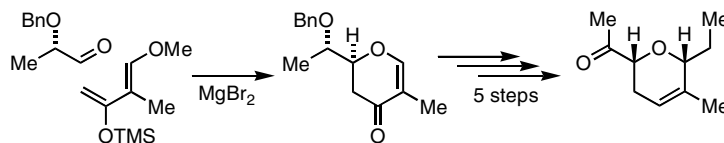
Anna Staszewska, Piotr Stefanowicz* and Zbigniew Szewczuk



A short synthesis of the common dihydropyran segment of the antifungal agents ambruticin and jerangolid A

pp 5529–5531

Julie M. Lukesh and William A. Donaldson*

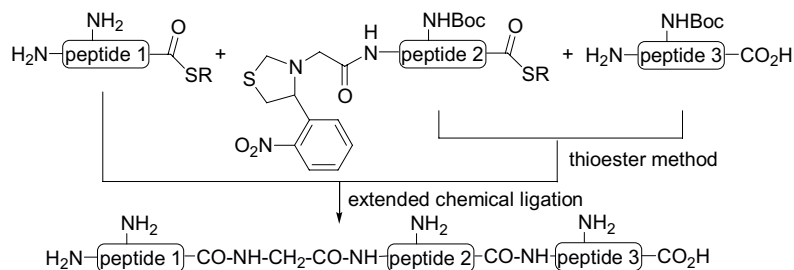


The title segment was prepared in six steps, 31.7% yield from (*S*)-2-benzoyloxypromanal.

Sequential peptide chemical ligation by the thioester method and extended chemical ligation

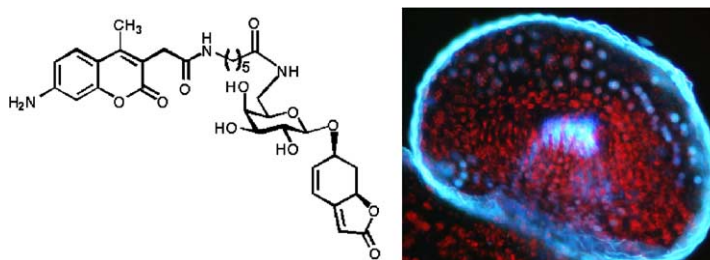
pp 5533–5536

Toru Kawakami,* Masahiro Tsuchiya, Ken'ichiro Nakamura and Saburo Aimoto*


Direct observation of a target cell of the leaf-closing factor by using novel fluorescence-labeled phyllanthurinolactone

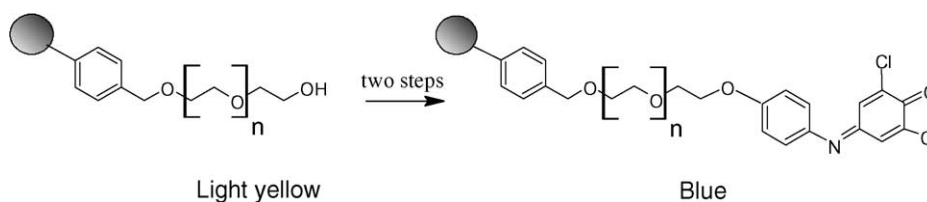
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Hirotaka Sato, Masayoshi Inada, Takanori Sugimoto, Nobuki Kato and Minoru Ueda*


Microwave-assisted immobilization of the REDOX indicator 2,6-dichloroindophenol on PEGylated Merrifield resins

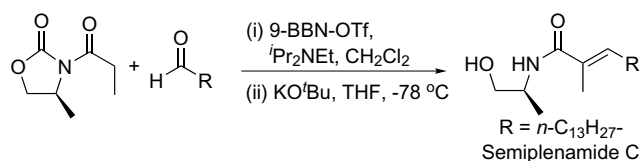
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May Siu, Varoujan A. Yaylayan,* Jacqueline M. R. Bélanger and J. R. Jocelyn Paré


An efficient synthesis of semiplenamides C

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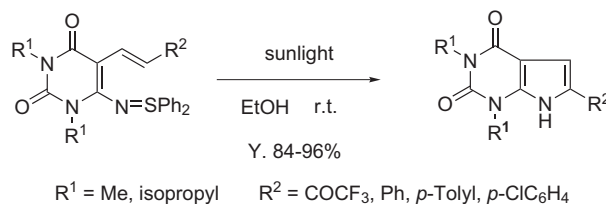
Iwan R. Davies, Matt Cheeseman, D. Gangani Niyadurupola and Steven D. Bull*



Synthesis of pyrrolo[2,3-*d*]pyrimidine-2,4-diones by sunlight photolysis of *N*-(5-vinyluracil-6-yl)sulfilimines

pp 5551–5554

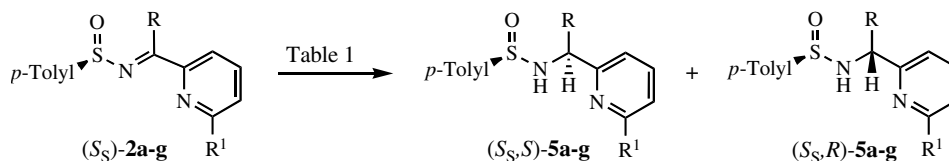
Nobuaki Matsumoto and Masahiko Takahashi*



Asymmetric synthesis of 1-substituted-1-(pyridin-2-yl)methylamines by diastereoselective reduction of enantiopure *N*-*p*-toluenesulfinyl ketimines

pp 5555–5558

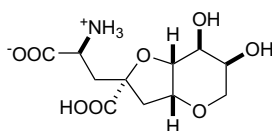
Giorgio Chelucci,* Salvatore Baldino, Rosanna Solinas and Walter Baratta



Synthesis of dysiherbaine analogue

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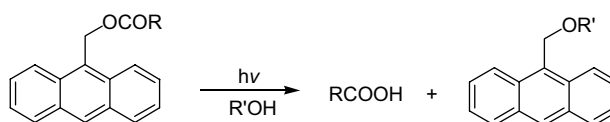
Muneo Shoji, Kaoru Shiohara, Masato Oikawa, Ryuichi Sakai and Makoto Sasaki*



Anthracene-9-methanol—a novel fluorescent phototrigger for biomolecular caging

pp 5563–5566

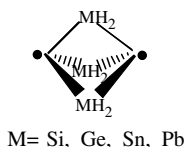
Anil K. Singh* and Prashant K. Khade

Carboxylic acid photorelease at 386 nm in $\text{CH}_3\text{CN-H}_2\text{O}$: 43–100% λ_{max} ($\text{CH}_3\text{CN-H}_2\text{O}$) 350–400 nm, Φ_{PR} 0.06–0.4 (λ_{flv} 386 nm) λ_{fmax} ($\text{CH}_3\text{CN-H}_2\text{O}$) 380–480 nm; Φ_{f} 0.01–0.09 (λ_{ex} 386 nm)

Theoretical design of singlet localized σ -diradicals: $C(MH_2)_3C$ ($M = Si, Ge, Sn, Pb$)

pp 5567–5571

Yong Wang, Jing Ma* and Satoshi Inagaki*

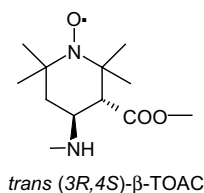


Bicyclic carbon-centered singlet 1,3- σ -diradicals were predicted to be more stable than the lowest triplets by the orbital phase theory and density functional theory calculations.

**Synthesis and spectroscopic characterization of enantiopure protected *trans*-4-amino-1-oxyl-2,2,6,6-tetramethyl piperidine-3-carboxylic acid (*trans* β -TOAC)**

pp 5573–5576

Karen Wright,* Augustin de Castries, Matthieu Sarciaux, Fernando Formaggio, Claudio Toniolo, Antonio Toffoletti, Michel Wakselman and Jean-Paul Mazaleyrat

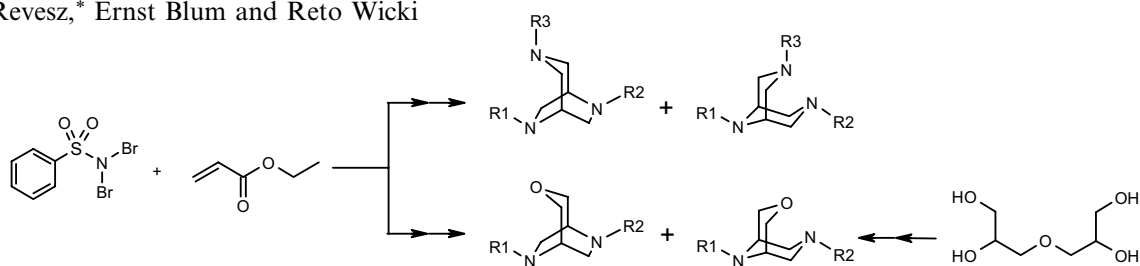


Nitroxide bearing, enantiopure (3*R*,4*S*)- β -TOAC and (3*S*,4*R*)- β -TOAC were synthesized and spectroscopically characterized.

Synthesis of novel piperazine based building blocks: 3,7,9-triazabicyclo[3.3.1]nonane, 3,6,8-triazabicyclo[3.2.2]nonane, 3-oxa-7,9-diazabicyclo[3.3.1]nonane and 3-oxa-6,8-diazabicyclo[3.2.2]nonane

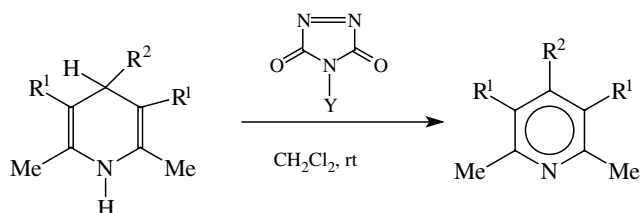
pp 5577–5580

Laszlo Revesz,* Ernst Blum and Reto Wicki

**4-Phenyl-1,2,4-triazole-3,5-dione as a novel and reusable reagent for the aromatization of 1,4-dihydropyridines under mild conditions**

pp 5581–5584

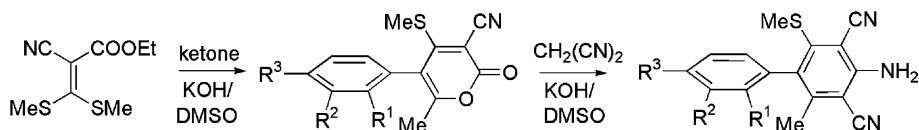
Mohammad Ali Zolfigol,* Arash Ghorbani Choghamarani, Mozhgan Shahamirian, Maliheh Safaiee, Iraj Mohammadpoor-Baltork, Shadpour Mallakpour and Mohammad Abdollahi-Alibeik



Regioselective synthesis of functionally congested biaryls through a novel C–C bond formation reaction

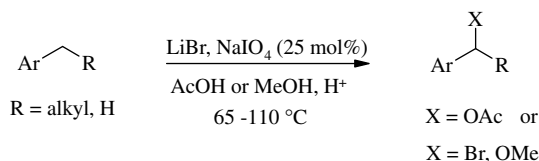
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Atul Goel* and Fateh Veer Singh


NaIO₄-mediated C–H activation of alkylbenzenes and alkanes with LiBr

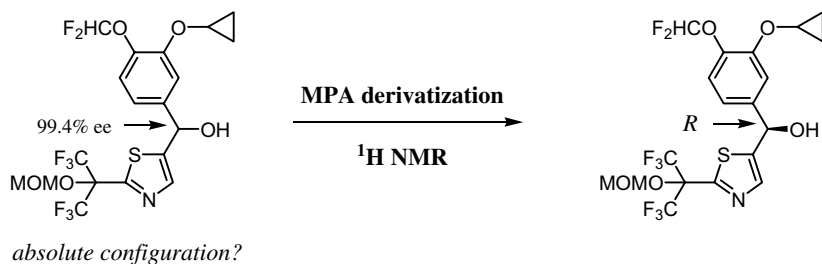
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Tanveer M. Shaikh and Arumugam Sudalai*


 α -Methoxyphenyl acetic acid (MPA) for the configurational assignment of aromatic–heteroaromatic carbinols by ¹H NMR spectroscopy

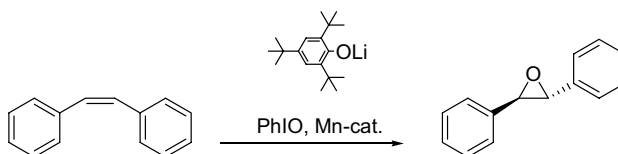
pp 5593–5596

Cheng-yi Chen,* Robert A. Reamer, Amélie Roy and Jennifer R. Chilenski


The effect of phenolates in the (salen)Mn-catalyzed epoxidation reactions

pp 5597–5600

Christian Linde, Magnus F. Anderlund and Björn Åkermark*



By addition of 2,4,6-tri-*tert*-butylphenolate in the Mn(salen) catalyzed epoxidation of *cis*-alkenes with iodosobenzene, essentially pure *trans*-epoxides can be obtained.

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*Corresponding author

①⁺ Supplementary data available via ScienceDirect



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