

Tetrahedron Letters Vol. 49, No. 52, 2008

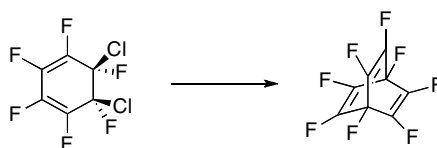
Contents

COMMUNICATIONS

Perfluorobarrelene

Philip Ralli, Yin Zhang, David M. Lemal *

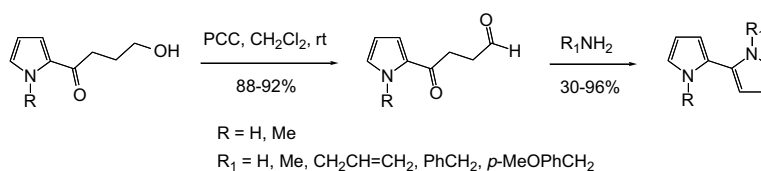
pp 7349–7351



A simple synthesis of 2,2'-bipyrroles from pyrrole

Liangfeng Fu, Gordon W. Gribble *

pp 7352–7354

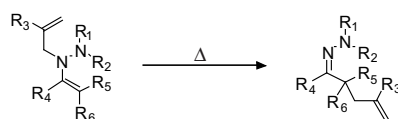


A simple three-step synthesis of 2,2'-bipyrroles from pyrrole is described.

Studies in *N*-amino-3-aza Cope rearrangements

Paulo M. C. Glória, Sundaresan Prabhakar *, Ana M. Lobo *

pp 7355–7357



R₁ = R₂ = Me; R₃ = Me or H; R₄ = H; R₅ = R₆ = CO₂Et or R₅ = H; R₆ = CO₂Me

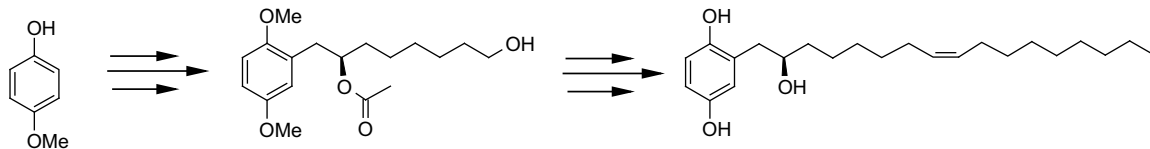
R₁ = H, Me or Ph; R₂ = R₅ = CO; R₃ = H; R₄ = R₆ = Ph

The first examples of a *N*-amino-3-aza Cope rearrangement as well as the first *N*-amino-anion 3-aza Cope rearrangement are reported. These occur in good to excellent yields and in short reaction times.

First asymmetric total synthesis of novel and cytotoxic 2'-R-hydroxylantraquinol

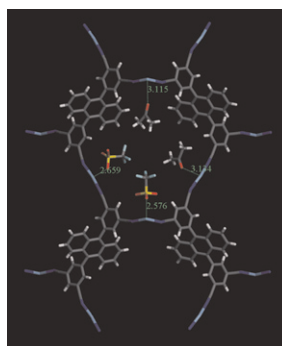
pp 7358–7360

V. Suresh, K. Rajesh, J. Jon Paul Selvam, Y. Venkateswarlu *

**A porous coordination architecture assembled by silver triflate and 9,10-bis(3,5-dicyano-1-phenyl)anthracene and its gas adsorption profile**

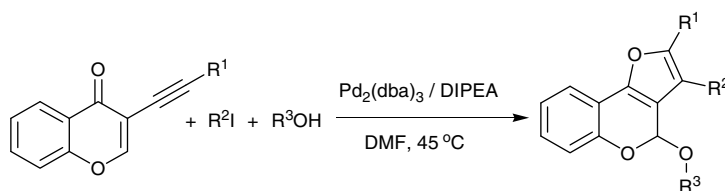
pp 7361–7363

Kazuhiko Akimoto, Yoshihiko Kondo, Ken Endo, Manabu Yamada, Yasuhiro Aoyama, Fumio Hamada *

**A novel multicomponent reaction to synthesize substituted furo[3,2-c]chromenes via a Pd-catalyzed cascade process**

pp 7364–7367

Lizhi Zhao, Gang Cheng, Youhong Hu *

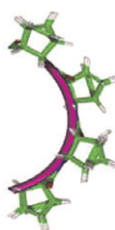


A novel one-pot three-component reaction for the synthesis of multisubstituted furo[3,2-c]chromenes using 3-(1-alkynyl)chromones, aryl iodides, and alcohols is developed via Pd-catalyzed cascade 1,4-addition and cyclization.

**β-Strand mimetics: formation of bend-strands in oligomers of enantiomeric β-amino acids**

pp 7368–7371

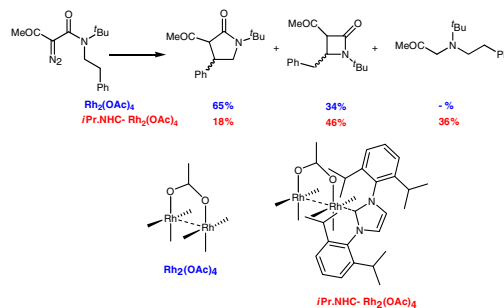
Srivari Chandrasekhar *, Ambadi Sudhakar, Marelli Udaya Kiran, Bathini Nagendra Babu, Bharatam Jagadeesh *



Oligomers comprising of enantiomeric *cis-exo*-β-norbornene amino acids [2*R*,3*S*] and [2*S*,3*R*] residues at alternate positions form robust β-strand mimetics with a curved backbone.

Intramolecular C–H insertion using NHC–di-rhodium(II) complexes: the influence of axial coordination

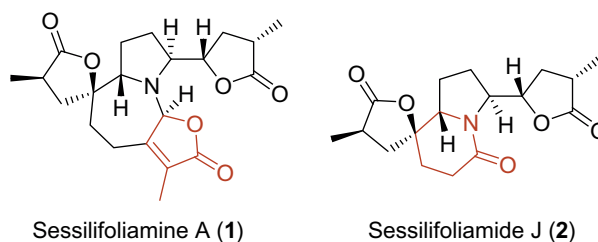
pp 7372–7375

Luis F. R. Gomes, Alexandre F. Trindade, Nuno R. Candeias, Pedro M. P. Gois^{*}, Carlos A. M. Afonso^{*}

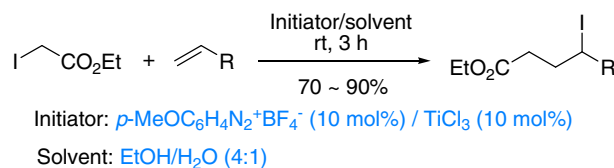
NHC axial coordination onto di-rhodium(II) complexes influences the intramolecular C–H insertion process.

**Sessilifoliamine A and sessilifoliamide J: new alkaloids from *Stemona sessilifolia***

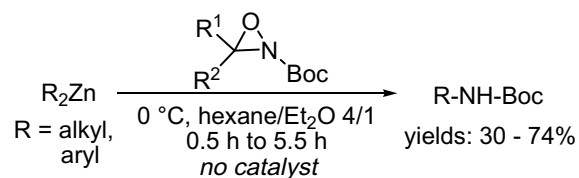
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Yukio Hitotsuyanagi, Erika Takeda, Haruhiko Fukaya, Koichi Takeya^{*}***p*-MeOC₆H₄N₂⁺BF₄⁻/TiCl₃: a novel initiator for halogen atom-transfer radical reactions in aqueous media**

pp 7380–7382

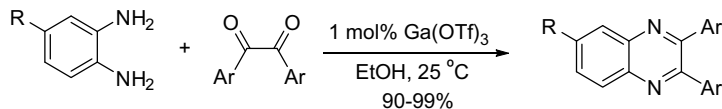
Lidong Cao, Chaozhong Li^{*}**Electrophilic amination of diorganozinc reagents by oxaziridines**

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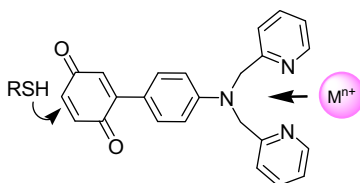
Mohammed Ghoraf, Joëlle Vidal^{*}

Gallium(III) triflate-catalyzed synthesis of quinoxaline derivatives

pp 7386–7390

Jing-Jing Cai, Jian-Ping Zou^{*}, Xiang-Qiang Pan, Wei Zhang^{*}**A dual-function colorimetric chemosensor for thiols and transition metal ions based on ICT mechanism**

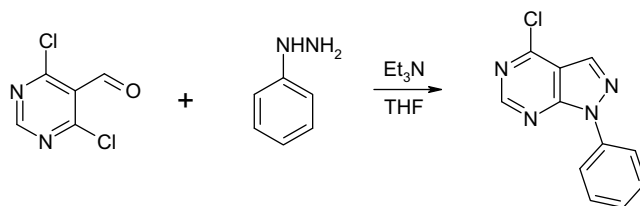
pp 7391–7394

Yan Zeng, Guanxin Zhang, Deqing Zhang^{*}, Daoben Zhu

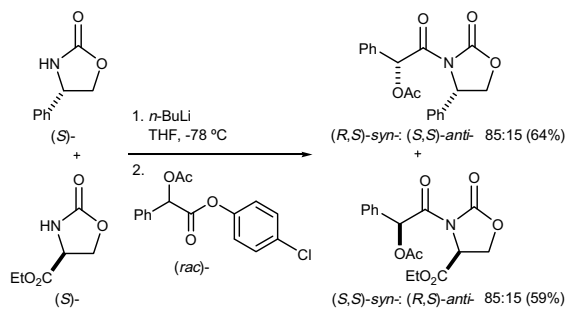
A donor-acceptor compound **1** bearing *N,N*-bis(pyridin-2-yl-methyl) aniline and quinone units is a potential dual-function colorimetric chemosensor for thiol-containing amino acids/peptides and Zn^{2+}/Co^{2+} .

**A one step synthesis of 1-alkylpyrazolo[5,4-d]pyrimidines**

pp 7395–7397

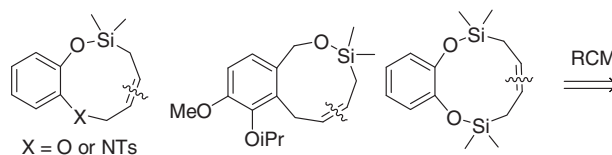
Scott Boyd, Leonie Campbell, Wensheng Liao, Qinghong Meng, Zuozhong Peng, Xiaoping Wang, Michael J. Waring^{*}**Investigations into the parallel kinetic resolution of acetyl mandelic acid**

pp 7398–7402

Sameer Chavda, Elliot Coulbeck, Jason Eames^{*}

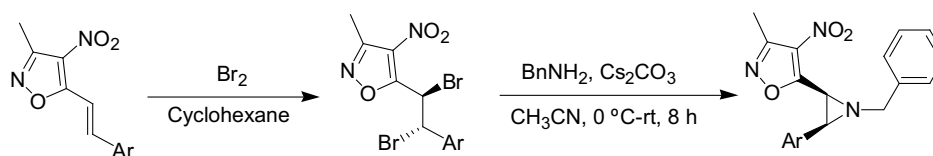
Ring-closing metathesis for the synthesis of novel 9- and 10-membered silicon-containing benzo-fused heterocycles pp 7403–7405

Stefania M. Scalzullo, Rafique Ul Islam, Garreth L. Morgans, Joseph P. Michael, Willem A. L. van Otterlo *

**Aziridination of 3-methyl-4-nitro-5-styrylisoxazoles**

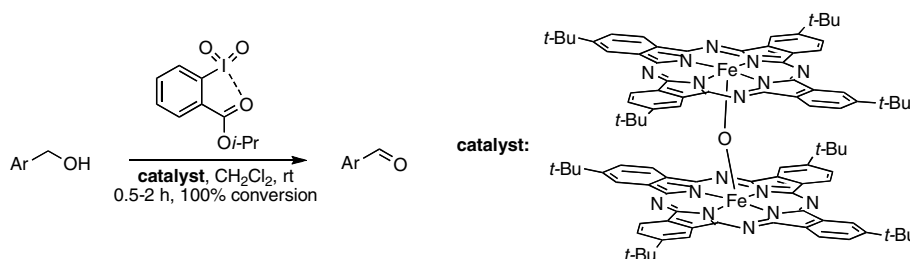
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Mauro F. A. Adamo *, Simone Bruschi, Suriseti Suresh, Linda Piras

**Organic iodine(V) compounds as terminal oxidants in iron(III) phthalocyanine catalyzed oxidation of alcohols**

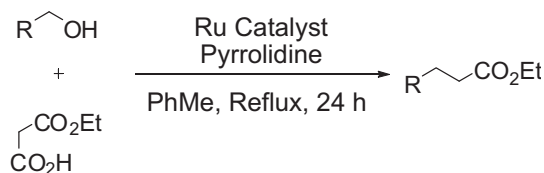
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Ivan M. Geraskin, Matthew W. Luedtke, Heather M. Neu, Victor N. Nemykin *, Viktor V. Zhdankin *

**C–C bond formation from alcohols and malonate half esters using borrowing hydrogen methodology**

pp 7413–7415

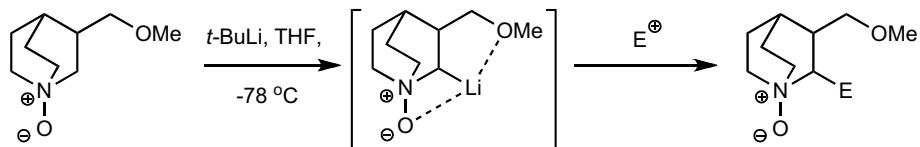
Simon J. Pridmore, Jonathan M. J. Williams *

Alcohols have been used as alkylation agents in decarboxylative reactions with half malonates via a borrowing hydrogen pathway catalysed by readily available Ru(PPh₃)₃Cl₂.

Directed lithiation on the quinuclidine ring system: the synthesis of 2,3-difunctionalised quinuclidines

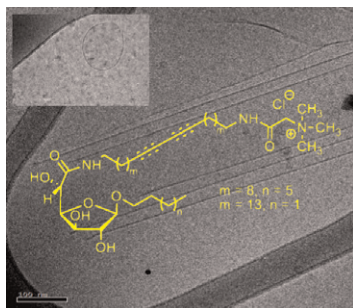
pp 7416–7418

Ian A. O'Neil *, James Hitchin, Inder Bhamra, Alan P. Chorlton, David J. Tapolczay

**Synthesis of unsymmetrical saturated or diacetylenic cationic bolaamphiphiles**

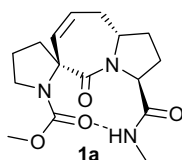
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Mathieu Berchel, Loïc Lemiègre, Sylvain Trépout, Olivier Lambert, Jelena Jeftić, Thierry Benvegna *

**A new spirocyclic proline-based lactam as efficient type II' β-turn inducing peptidomimetic**

pp 7423–7425

Giordano Lesma, Alessia Colombo, Alessandro Sacchetti *, Alessandra Silvani

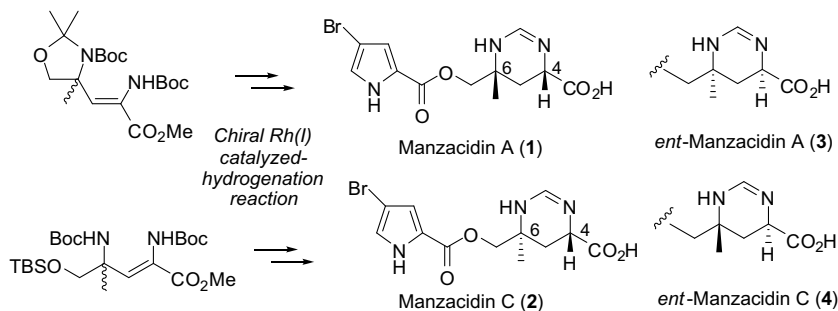


A new proline-based spirotricyclic lactam is reported as an efficient type II' β-turn inducing peptidomimetic. After investigations of the reverse turn properties by computational techniques, the scaffold has been synthesized by a straightforward sequence relying on a key RCM reaction for the construction of the central dihydro-azepinone ring.

Short and stereoselective synthesis of manzacidins A and C, and their enantiomers

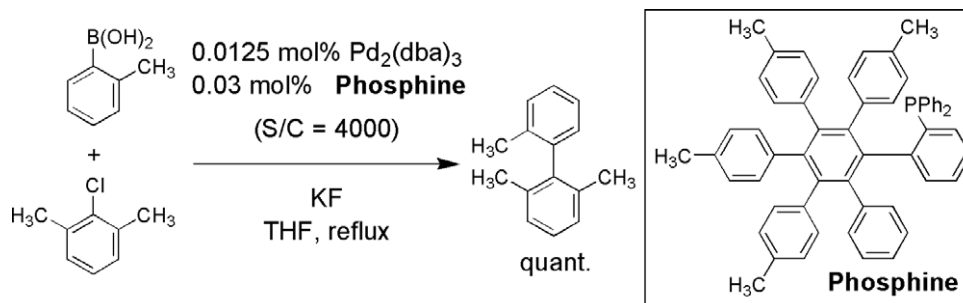
pp 7426–7429

Kentaro Oe, Tetsuro Shinada *, Yasufumi Ohfuné *



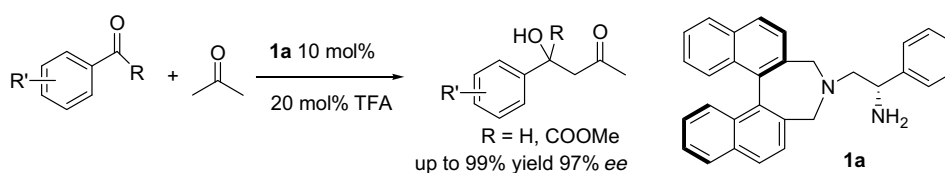
A functionalized phosphine ligand with a pentaarylbenzene moiety in palladium-catalyzed Suzuki–Miyaura coupling of aryl chlorides

pp 7430–7433

Tetsuo Iwasawa^{*}, Toshinori Kamei, Satoshi Watanabe, Masaki Nishiuchi, Yasuhiko Kawamura^{*}

Facile preparation of optically pure diamines and their applications in asymmetric aldol reactions

pp 7434–7437

Quan-Zhong Liu^{*}, Xue-Lian Wang, Shi-Wei Luo^{*}, Bao-Lei Zheng, Da-Bin Qin

A family of optically pure diamines with tertiary–primary amine motif has been synthesized and has demonstrated high efficiency in direct aldol reactions.

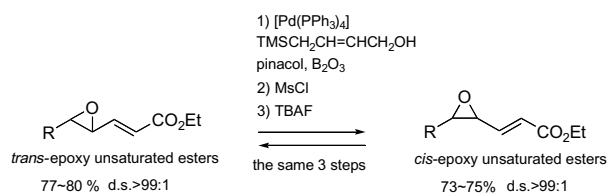
Synthesis of organic nanoparticles of naphthalene–thiourea–thiadiazole-linked molecule as highly selective fluorescent and colorimetric sensor for Ag(I)

pp 7438–7441

Fengge Qu, Jun'an Liu, Huijuan Yan, Lifeng Peng, Haibing Li^{*}

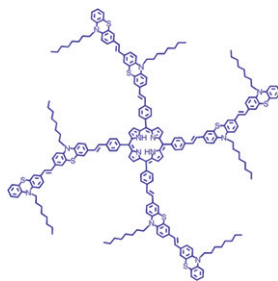
Stereospecific interconversion of *cis*- and *trans*- γ,δ -epoxy α,β -unsaturated ester systems

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Xiao-Qiang Yu, Fumihiko Yoshimura, Keiji Tanino, Masaaki Miyashita^{*}

Synthesis of phenothiazine-functionalized porphyrins with high fluorescent quantum yields

pp 7446–7449

Xianping Qiu, Ran Lu ^{*}, Huipeng Zhou, Xiaofei Zhang, Tinghua Xu, Xingliang Liu, Yingying Zhao

Novel phenothiazine-functionalized porphyrins with high fluorescent quantum yields have been synthesized by a combination of Heck and Adler reaction.



*Corresponding author

Supplementary data available via ScienceDirect

COVER

A short and stereoselective synthesis of manzacidins A and C, and their enantiomers was achieved via stereoselective hydrogenation reactions of dehydroamino acid esters using a chiral Rh catalyst.

Tetrahedron Letters **2008**, 49, 7426–7429.

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