

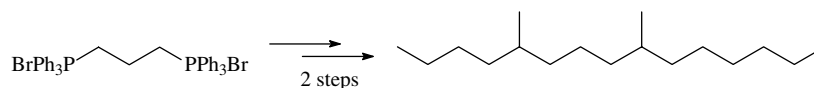
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COMMUNICATIONS

Unsymmetrical double Wittig olefination on the syntheses of insect pheromones. pp 239–241

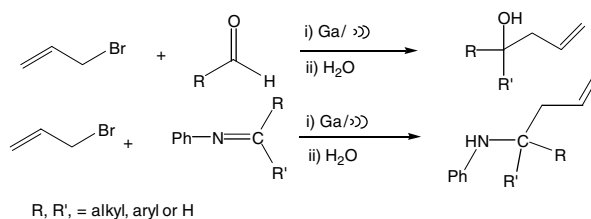
Part 1: Synthesis of 5,9-dimethylpentadecane, the sexual pheromone of *Leucoptera coffeella*

Paulo H. G. Zarbin,* Jefferson L. Princival, Eraldo R. de Lima, Alcindo A. dos Santos, Bianca G. Ambrogio and Alfredo R. M. de Oliveira



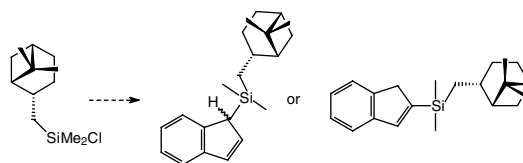
Gallium metal mediated allylation of carbonyl compounds and imines under solvent-free conditions pp 243–248

Philip C. Andrews,* Anna C. Peatt and Colin L. Raston



Preparation of chiral indenenes containing β -pinenyl derived ligand substituents pp 249–252

Satu Silver, Elise Johansson, Rainer Sjöholm and Reko Leino*

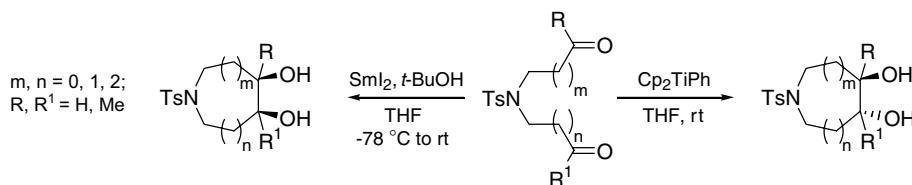


The preparation of new chirally substituted indenenes is described based on the reaction of a β -pinenyl derived chlorosilane with lithiated indenenes or 2-indenylmagnesium bromide.

Synthesis of *N*-heterocyclic diols by diastereoselective pinacol coupling reactions

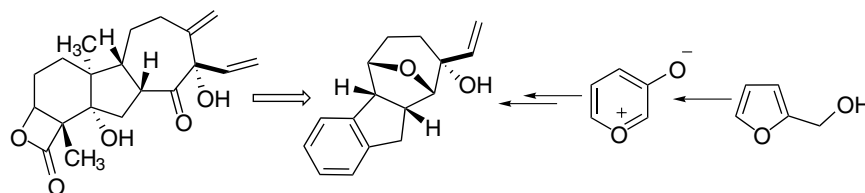
pp 253–256

Sandeep Handa,* Manpreet S. Kachala and Sarah R. Lowe


Studies towards the synthesis of FCRR toxin: an expeditious entry into 7–5–6 ring systems via [5+2] oxidopyrylium-alkene cycloaddition

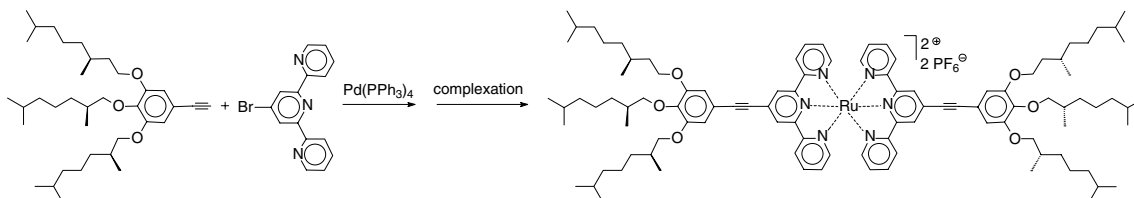
pp 257–259

U. Murali Krishna and G. K. Trivedi*


Self-assembled chiral terpyridine ruthenium complexes

pp 261–264

Abdelkrim El-ghayoury, Harald Hofmeier, Albertus P. H. J. Schenning and Ulrich S. Schubert*

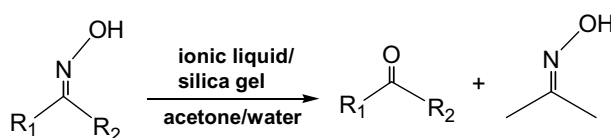


Chiral mesogenic terpyridine ligands have been prepared and complexed with ruthenium(II) ions, which resulted in the formation of extended helical columnar aggregates.

One-pot synthesis of silica gel confined functional ionic liquids: effective catalysts for deoxygenation under mild conditions

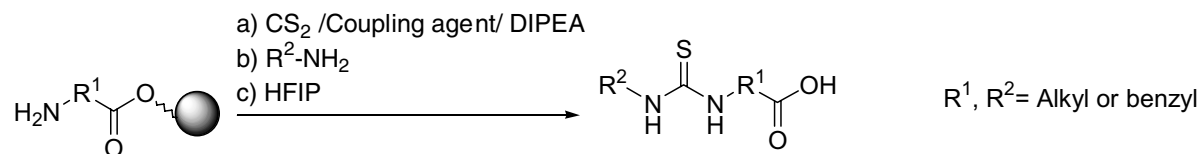
pp 265–268

Dongmei Li, Feng Shi, Shu Guo and Youquan Deng*



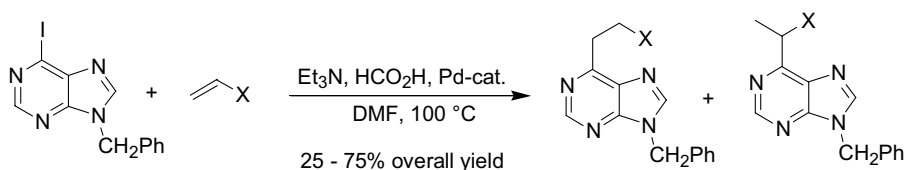
Facile synthesis of aliphatic isothiocyanates and thioureas on solid phase using peptide coupling reagents pp 269–272

Ulrik Boas,* Heidi Gertz, Jørn B. Christensen and Peter M. H. Heegaard

**'Reductive Heck reaction' of 6-halopurines**

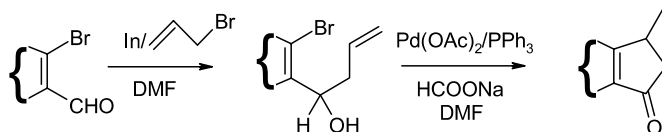
Tomáš Tobrman and Dalimil Dvořák*

pp 273–276

**Palladium-catalyzed tandem oxidative cyclization of 1-bromohexa-1,5-dien-3-ols: easy access to cyclopentenones**

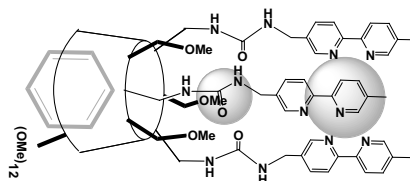
Sajal Kanti Mal, Devalina Ray and Jayanta K. Ray*

pp 277–279

**A new symmetrically modified α-cyclodextrin tripod: selective metal complexation and fluorescence properties**

Romain Heck and Alain Marsura*

pp 281–284

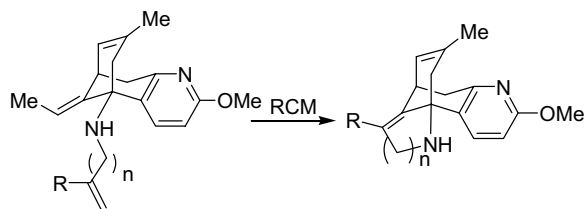


A novel symmetrically α-Cd tripod synthesis and its complexation selectivity towards 'hard' and 'soft' cations is described.

Synthesis of huperzine B through ring closing metathesis

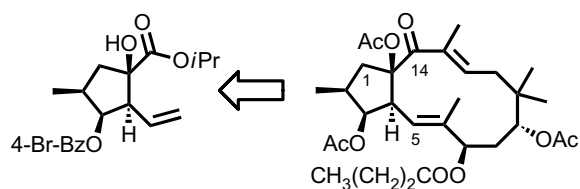
pp 285–287

Ihl Young Choi Lee,* Joong Yeoun Hong, Myung Hee Jung and Hyo Won Lee

**Enantioselective synthesis of the C-14 to C-5 cyclopentane segment of jatrophone diterpenes**

pp 289–292

Hannes Helmboldt, Julia Rehbein and Martin Hiersemann*

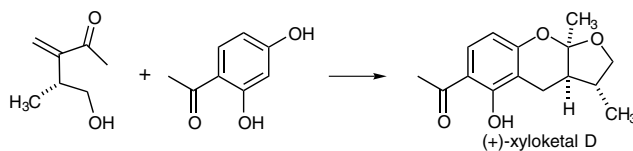


An Evans aldol addition and a thermal intramolecular carbonyl ene reaction of an α -keto esters are key steps in the asymmetric synthesis of the C-14 to C-5 segment of jatrophone diterpenes.

Total synthesis of (+)-xyloketal D, a secondary metabolite from the mangrove fungus *Xylaria* sp.

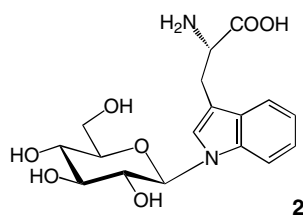
pp 293–294

Karsten Krohn* and Muhammad Riaz

**Synthesis of tryptophan *N*-glucoside**

pp 295–297

Melanie Schnabel, Birgit Römpf, Daniel Ruckdeschel and Carlo Unverzagt*

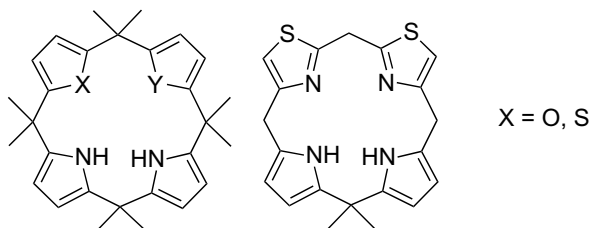


The natural product tryptophan *N*-glucoside **2** was obtained by glycosylation of a protected tryptophan derivative using a 2-*O*-pivaloyl glucosyl donor.

Hetero-calix[4]pyrroles: incorporation of furans, thiophenes, thiazoles or fluorenes as a part of the macrocycle

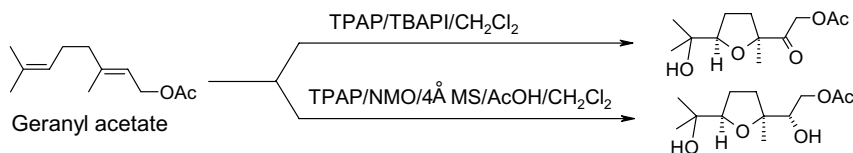
pp 299–301

Mi-Young Song, Hee-Kyung Na, En-Young Kim, Si-Joon Lee, Kyung Il Kim, Eun-Mi Baek, Hong-Seok Kim, Duk Keun An and Chang-Hee Lee*

**Perruthenate ion. Another metal oxo species able to promote the oxidative cyclisation of 1,5-dienes to 2,5-disubstituted *cis*-tetrahydrofurans**

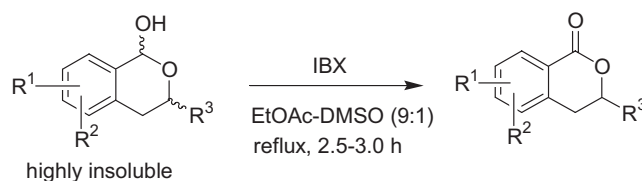
pp 303–308

Vincenzo Piccialli* and Teresa Caserta

**Facile conversion of lactols to lactones using IBX**

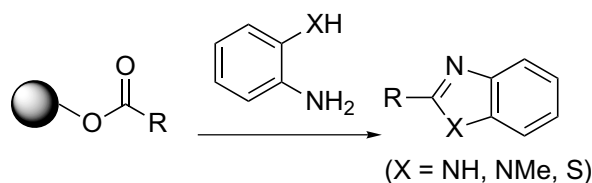
pp 309–312

Jarugu Narasimha Moorthy,* Nidhi Singhal and Prasenjit Mal

**Smart cleavage reactions: the synthesis of benzimidazoles and benzothiazoles from polymer-bound esters**

pp 313–316

Hana Matsushita, Sang-Hyeup Lee, Meyoungju Joung, Bruce Clapham* and Kim D. Janda*



A novel solid support for the synthesis of 3'-aminoalkylated oligonucleotides

pp 317–320

Michael Leuck,* Rubina Giare, Matthias Paul, Nicole Zien and Andreas Wolter

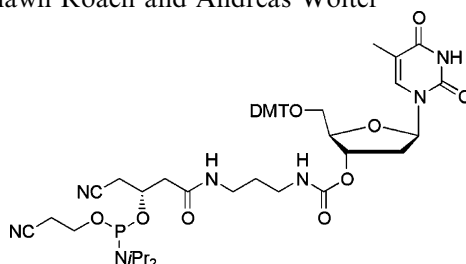


A novel improved controlled pore glass (CPG) support was developed, that enables complete cleavage and deprotection of 3'-aminoalkylated oligonucleotides within 2 h at 55 °C in concentrated ammonia.

A novel reagent for the chemical phosphorylation of oligonucleotides

pp 321–324

Michael Leuck,* Kurt E. Vagle, J. Shawn Roach and Andreas Wolter

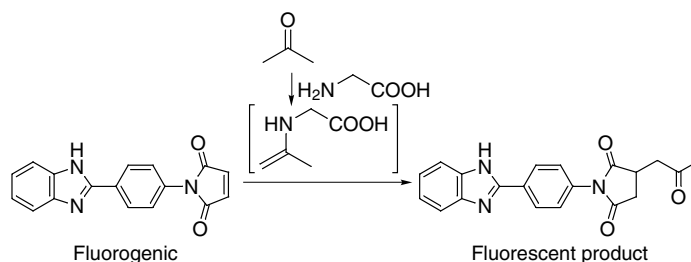


A novel phosphoramidite reagent was developed to convert terminal hydroxyl groups of oligonucleotides into phosphate monoesters. The reagent's appearance as a solid foam is advantageous for its manipulation and handling in solid-phase synthesis and improves its thermal stability.

Rapid analysis of solvent effects on enamine formation by fluorescence: how might enzymes facilitate enamine chemistry with primary amines?

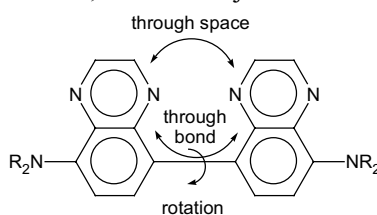
pp 325–328

Fujie Tanaka,* Rajeswari Thayumanavan, Nobuyuki Mase and Carlos F. Barbas, III*

**Preparation, properties, and X-ray structures of 5,5'-bi(8-aminoquinoxalyl)s: novel Wurster-type electron donors with a heterobiaryl skeleton**

pp 329–333

Takanori Suzuki,* Mayu Saito, Hidetoshi Kawai, Kenshu Fujiwara and Takashi Tsuji

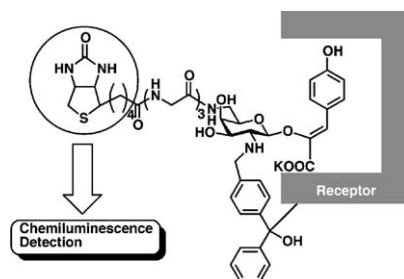


The title molecules are designed as a new class of redox systems that exhibit through-space and/or through-bond interaction across the central biaryl axis. Since both interactions are modified as a function of the torsion angle, which can be reversibly altered upon redox reactions, these donors would be the interesting prototypes for studying the switching phenomenon of organic redox systems.

Detection of potential membrane receptor proteins concerning circadian rhythmic leaf movement of legumes using novel photoaffinity probe compounds

pp 335–338

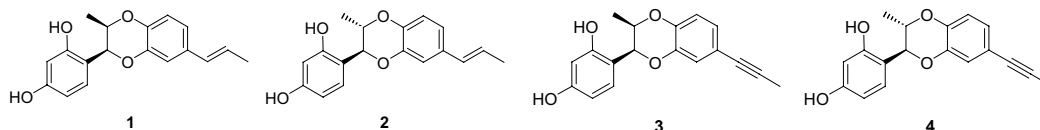
Takanori Sugimoto, Tomohiko Fujii, Yuusuke Idutu, Shosuke Yamamura and Minoru Ueda*



Four novel lignans from *Rodgersia podophylla*

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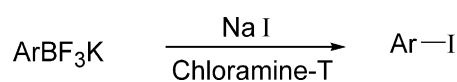
Young-Won Chin and Jinwoong Kim*



A facile synthesis of aryl iodides via potassium aryltrifluoroborates

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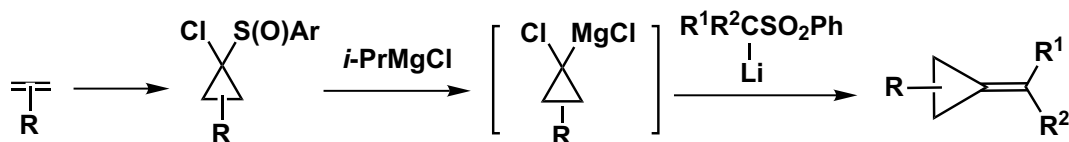
George W. Kabalka* and Arjun R. Mereddy



A novel synthetic method for alkylidenecyclopropanes based on the reaction of magnesium cyclopropylidenes with lithium α -sulfonyl carbanions

pp 347–350

Tsuyoshi Satoh* and Shinya Saito



Synthesis of the BCD ring system of azaspiracid: construction of the trispiro ring structure by the thioether approach

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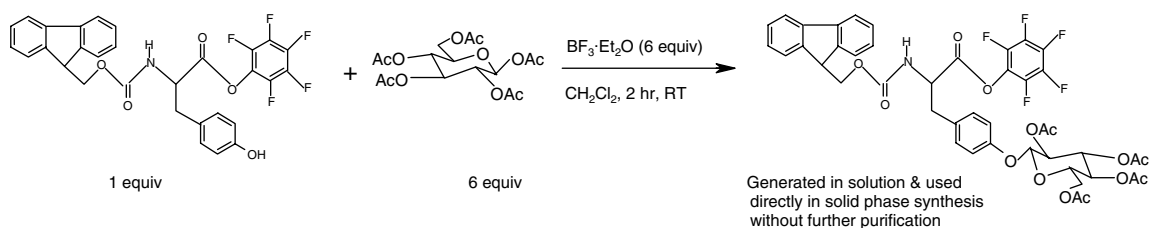
Yuichi Ishikawa and Shigeru Nishiyama*



Convenient high yield and stereoselective synthesis of *O*-glycopeptides using *N*- α -Fmoc-Tyr/Ser[β -D-Glc(OAc)₄]OPfp generated in solution

pp 355–358

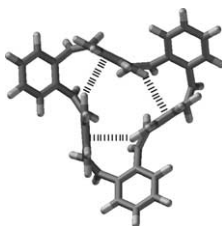
Beechanahalli P. Gangadhar, Seetharama D. S. Jois and Ambikaipakan Balasubramaniam*



***All-Z*-hexabenz[24]annulene with a triangular benzene cluster substructure**

pp 359–362

Yoshiyuki Kuwatani,* Jun-ichi Igarashi and Masahiko Iyoda*

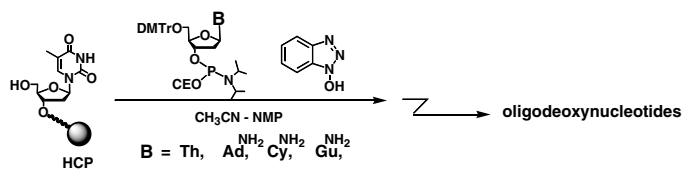


All-Z-hexabenz[24]annulene was synthesized via a poly-*cis*-stilbene intermediate. The single crystal of the annulene has a chiral C₃-symmetry with a central benzene trimer substructure. Although the compound is highly flexible in solution, the C₃-symmetric structure is stabilized by three concurrent CH/ π interactions.

A new strategy for the synthesis of oligodeoxynucleotides directed towards perfect *O*-selective internucleotidic bond formation without base protection

pp 363–366

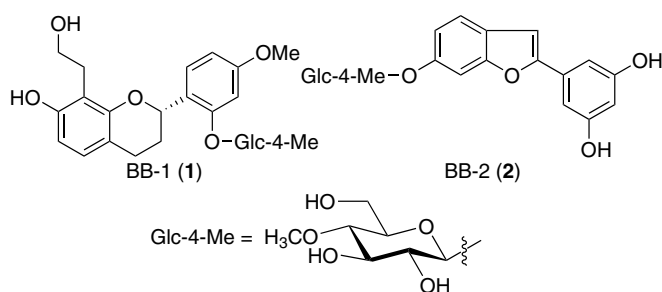
Akihiro Ohkubo, Kohji Seio and Mitsuo Sekine*



Novel aromatics bearing 4-*O*-methylglucose unit isolated from the oriental crude drug *Bombyx Batryticatus*

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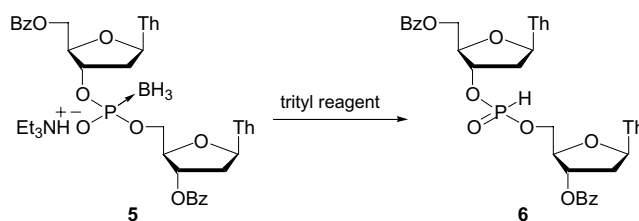
Haruhisa Kikuchi, Nahoko Takahashi and Yoshiteru Oshima*



BH₃ as a protecting group for phosphonic acid: a novel method for the synthesis of dinucleoside *H*-phosphonate

pp 371–374

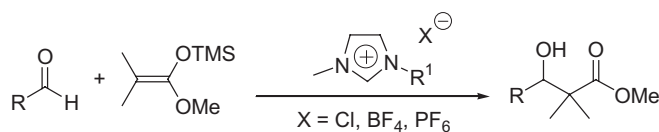
Mamoru Shimizu, Kiyoshi Tamura, Takeshi Wada* and Kazuhiko Saigo



Mukaiyama aldol reaction using ketene silyl acetals with carbonyl compounds in ionic liquids

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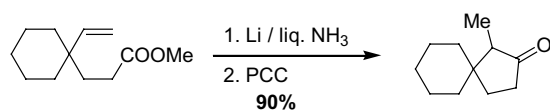
Shui-Ling Chen, Shun-Jun Ji* and Teck-Peng Loh*



Lithium–liquid ammonia mediated carbocyclisation of δ,ϵ -unsaturated esters: annulation of cyclopentanones

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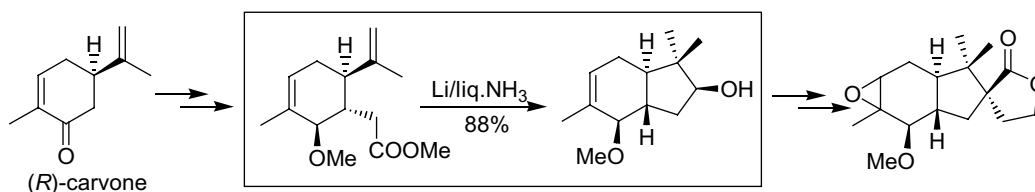
A. Srikrishna* and S. S. V. Ramasastry



Carbanion cyclisation of esters. Part 2: Enantiospecific construction of the tricyclic framework of the marine sesquiterpenes, spirodysins

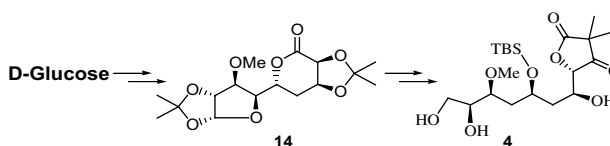
pp 383–386

A. Srikrishna,* P. Ravi Kumar and S. S. V. Ramasastry


Toward a synthesis of the antitumor macrolide peloruside A: a chiral pool approach for the C(1)–C(11) segment

pp 387–390

Mukund K. Gurjar,* Yakambram Pedduri, C. V. Ramana, Vedavati G. Puranik and Rajesh G. Gonnade

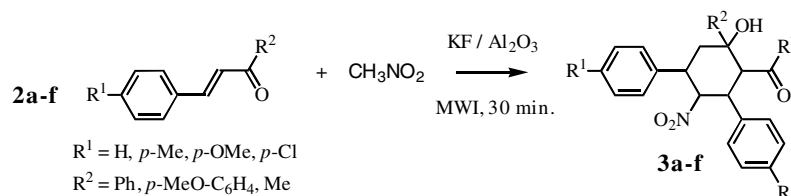


A chiral pool approach starting from D-glucose involving RCM and stereoselective dihydroxylation as key steps, addressed the synthesis of **4**, an advanced intermediate corresponding to the C(1)–C(11) portion of peloruside A.

Microwave solvent-free synthesis of nitrocyclohexanols

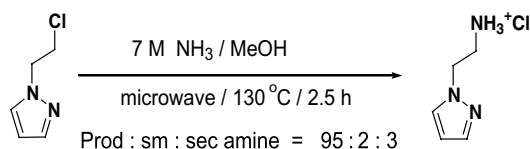
pp 391–395

Olivier Correc, Karine Guillou, Jack Hamelin, Ludovic Paquin, Françoise Texier-Boullet* and Loïc Toupet


Microwave-assisted synthesis of primary amine HX salts from halides and 7M ammonia in methanol

pp 397–399

Mark G. Saulnier,* Kurt Zimmermann,* Charles P. Struzynski, Xiaopeng Sang, Upender Velaparthi, Mark Wittman and David B. Frennesson

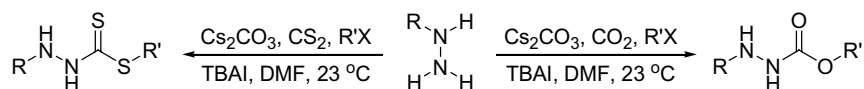


Microwave-assisted synthesis of HX salts of primary amines from their corresponding halides and 7M ammonia in methanol provides practical high yield access to even volatile primary amines for parallel synthesis.

Mild and efficient synthesis of carbazates and dithiocarbazates via a three-component coupling using Cs₂CO₃ and TBAI

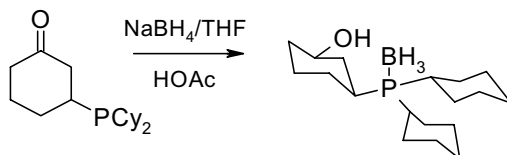
pp 401–405

Daniel L. Fox, John T. Ruxer, John M. Oliver, Kasey L. Alford and Ralph Nicholas Salvatore*

**A highly efficient general synthesis of phosphine–borane complexes**

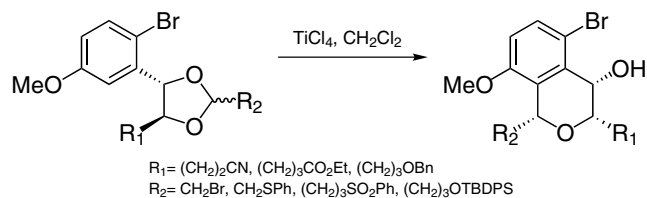
pp 407–409

James McNulty* and Yuehui Zhou

**Studies on the intramolecular oxa-Pictet–Spengler rearrangement of 5-aryl-1,3-dioxolanes to 4-hydroxy-isochromans**

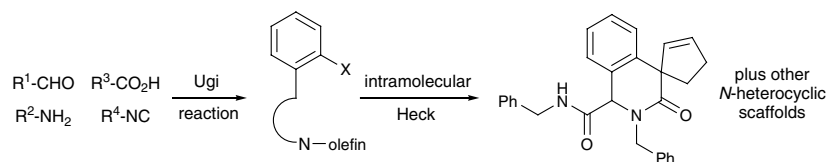
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Darío A. Bianchi, Federico Rúa and Teodoro S. Kaufman*

**Sequential Ugi/Heck cyclization strategies for the facile construction of highly functionalized N-heterocyclic scaffolds**

pp 417–420

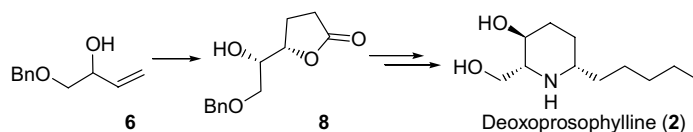
Vijaya Gracias,* Joel D. Moore and Stevan W. Djuric



A concise and stereoselective synthesis of (+)- and (-)-deoxoprosophylline

pp 421–423

Subhash P. Chavan* and Cherukupally Praveen

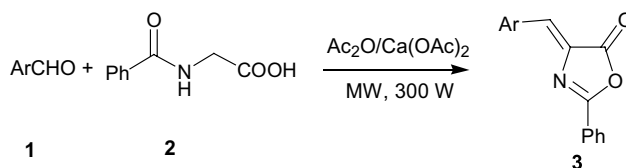


An efficient synthesis of (+)- and (-)-deoxoprosophylline was accomplished from the readily available *cis*-2-butene-1,4-diol in which the Sharpless asymmetric dihydroxylation was used as the key step.

Calcium acetate catalyzed synthesis of 4-arylidene-2-phenyl-5(4*H*)-oxazolones under solvent-free conditions

pp 425–427

Satya Paul,* Puja Nanda, Rajive Gupta and André Loupy

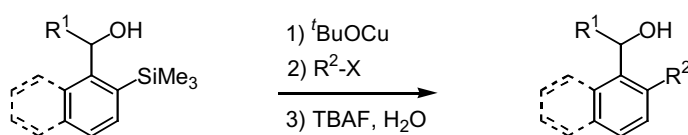


4-Arylidene-2-phenyl-5(4*H*)-oxazolones were prepared by using calcium acetate under solvent-free conditions with microwave irradiation.

Copper(I) *tert*-butoxide-promoted coupling of *o*-(1-hydroxyalkyl)arylsilanes with organic halides

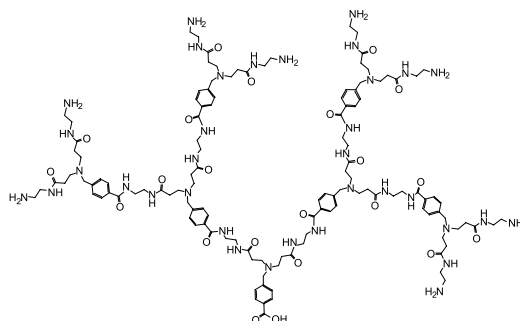
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Haruhiko Taguchi, Kazuto Takami, Akira Tsubouchi and Takeshi Takeda*

**Synthesis of aromatic hyperbranched PAMAM polymers**

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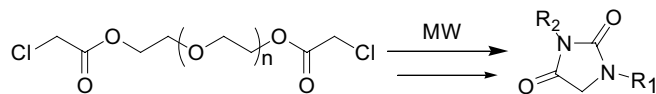
Lance J. Twyman,* Amy S. H. King, John Burnett and Ian. K. Martin



Traceless synthesis of hydantoin by focused microwave irradiation

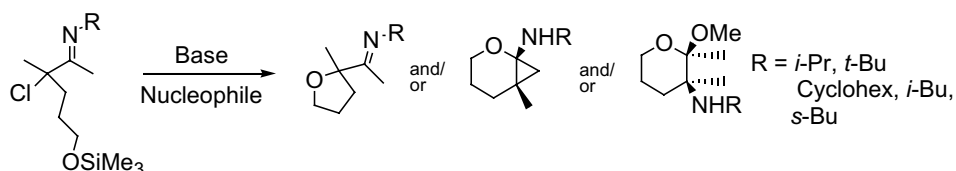
pp 437–440

Ming-Juan Lee and Chung-Ming Sun*

**Synthesis of oxygen-containing heterocyclic compounds via α -chloro- δ -(trimethylsilyloxy)imines**

pp 441–444

Wim Aelterman, Nicola Giubellina, Elena Stanoeva, Koen De Geyter and Norbert De Kimpe*

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*Corresponding author

①⁺ Supplementary data available via ScienceDirectFull text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

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