Sp^3 organozinc carbenoid homologation in organic synthesis

Tetrahedron 58 (2002) 9463

Ilan Marek

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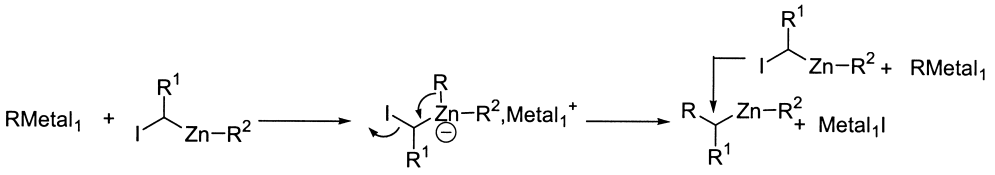

Tandem cyclization–cycloaddition reactions of rhodium generated carbenoids from α-diazo carbonyl compounds

Tetrahedron 58 (2002) 9477

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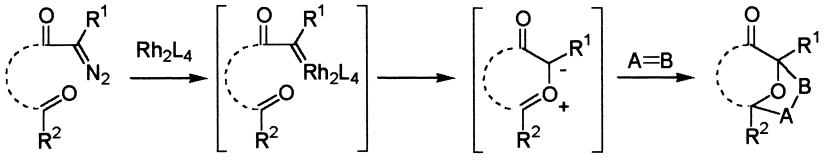

Synthesis and spectrokinetic studies of spiro[thioxanthene-naphthopyrans]

Tetrahedron 58 (2002) 9505

Paulo J. Coelho,[a,*] Luis M. Carvalho,[a] Sofia Abrantes,[a] M. Manuel Oliveira,[a] Ana M. F. Oliveira-Campos,[b] Andre Samat[c] and Robert Guglielmetti[c]

[a]*Departamento de Química, Universidade de Trás-os-Montes e Alto Douro, 5001-911 Vila Real, Portugal*
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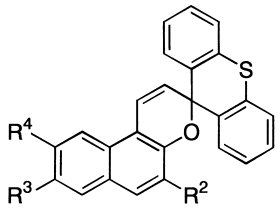
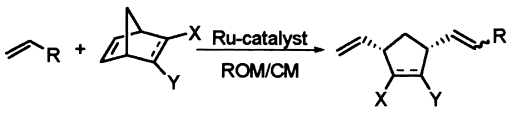


Ring-opening metathesis–cross-metathesis reactions (ROM–CM) of substituted norbornadienes and norbornenes

Tetrahedron 58 (2002) 9513

Peter Mayo and William Tam*

Department of Chemistry and Biochemistry, Guelph-Waterloo Centre for Graduate Work in Chemistry and Biochemistry, University of Guelph, Guelph, Ont., Canada N1G 2W1

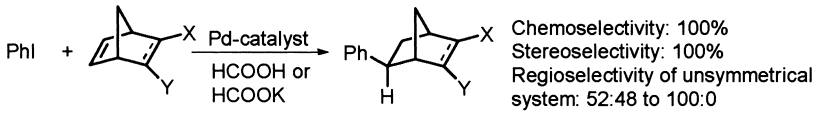


Palladium-catalyzed hydrophenylation of bicyclic alkenes

Tetrahedron 58 (2002) 9527

Peter Mayo and William Tam*

Department of Chemistry and Biochemistry, Guelph-Waterloo Centre for Graduate Work in Chemistry and Biochemistry, University of Guelph, Guelph, Ont., Canada N1G 2W1

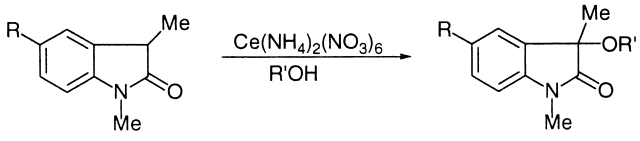


Reaction of indolin-2-ones with cerium(IV) ammonium nitrate

Tetrahedron 58 (2002) 9541

Carmen Escolano, Lluís Vallverdú and Keith Jones*

School of Chemical and Pharmaceutical Sciences, Kingston University, Penrhyn Road, Kingston-upon-Thames, Surrey KT1 2EE, UK

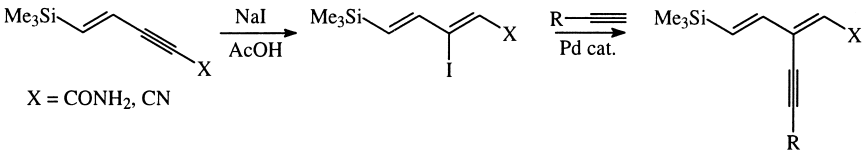


A convenient synthesis of amides and nitriles with a branched and conjugated dienyne structure

Tetrahedron 58 (2002) 9547

Vito Fiandanese,* Francesco Babudri, Giuseppe Marchese and Angela Punzi

Dipartimento di Chimica, C.N.R. ICCOM, Università di Bari, via Orabona 4, 70126 Bari, Italy



EPR observation of cathodically-generated radical anions of colchicides and isocolchicides, and a comparison with the radical anions of troponoids. A general rationalization of the spin-density distribution in these systems

Tetrahedron 58 (2002) 9553

Marino Cavazza,[a,*] Calogero Pinzino,[b] Lucio Pardi,[c] Lamberto Nucci,[a] Francesco Pergola[a] and Francesco Pietra[d]

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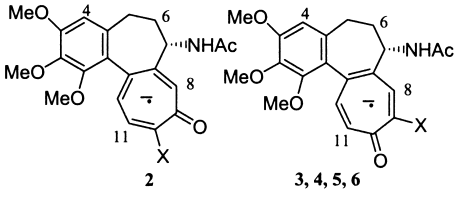
EPR spectra of radical anions of colchicides (**2**, X=SEt), and isocolchicides (**3**, X=OEt, **4**, X=SMe, **5**, X=S-*n*-Bu, **6**, X=SPh) are reported and rationalized.



Stereoelectronic control of oxazolidine ring-opening: structural and chemical evidences

Tetrahedron 58 (2002) 9559

Jimmy Sélambarom,[a] Sophie Monge,[a] Francis Carré,[b] Jean Pierre Roque[a] and André A. Pavia[a,*]

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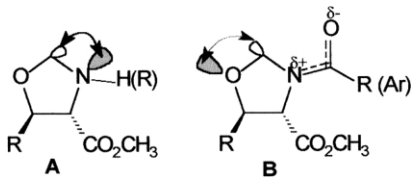
[b]*Laboratoire de Chimie Moléculaire et Organisation du Solide, UMR-CNRS 5073, Université de Montpellier II, CC07, Place Eugène Bataillon, F-34095 Montpellier Cedex 05, France*

In **A**, *endo*-anomeric effect favours ring-opening, whereas in **B** reverse motion of electrons makes ring-opening considerably more difficult.



Synthesis of a novel ring-expanded purine analogue containing a 5:8-fused imidazo[4,5-*e*][1,2,4]triazocine ring system amidst opportunistic rearrangements and ring transformations

Tetrahedron 58 (2002) 9567

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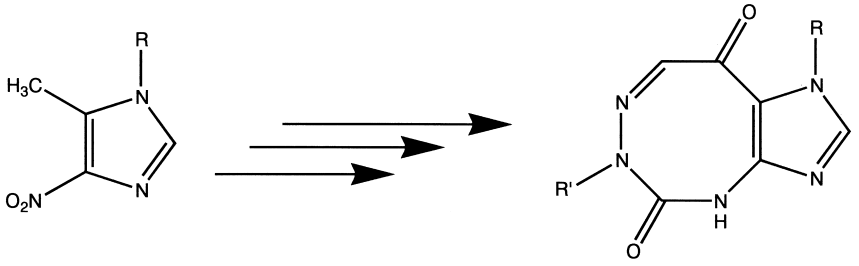
and Ramachandra S. Hosmane*

Laboratory for Drug Design and Synthesis, Department of Chemistry and Biochemistry, University of Maryland UMBC, 1000 Hilltop circle, Baltimore County, Baltimore, MD 21250, USA

The synthesis of a 5:8-fused imidazo[4,5-*e*][1,2,4]triazocine has been reported.



Regioselective de-*O*-benzylation of phenylsulfonylethylidene (PSE) acetals-containing benzylated monosaccharides using triisobutylaluminum (TIBAL)

Tetrahedron 58 (2002) 9579

Bérengère Chevalier-du Roizel,[a] Elena Cabianca,[b] Patrick Rollin[b] and Pierre Sinaÿ[a,*]

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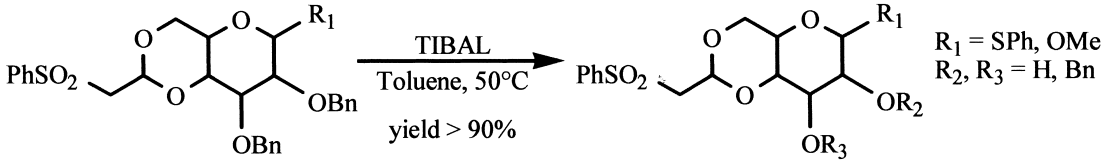
[b]*ICOA-UMR 6005, Université d'Orléans, B.P. 6759, F-45067 Orléans Cedex 02, France*



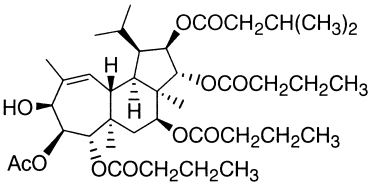
Gagunins, highly oxygenated diterpenoids from the sponge *Phorbas* sp.

Tetrahedron 58 (2002) 9585

Jung-Rae Rho,[a] Hyi-Seung Lee,[a] Chung J. Sim[b] and Jongheon Shin[a,*]

[a]*Marine Natural Products Laboratory, Korea Ocean Research & Development Institute, Ansan P.O. Box 29, Seoul 425-600, South Korea*
[b]*Department of Biology, Hannam University, Taejeon 300-791, South Korea*

Gagunins A–G, seven new diterpenoids of the 10,13-bis-*epi*-homoverrucosane class have been isolated. These compounds exhibited significant cytotoxicity toward the human leukemia cell-line K562.



gagunin A

Chemical synthesis of ^{13}C labeled anti-HIV nucleosides as mass-internal standards

Tetrahedron 58 (2002) 9593

Yoshio Saito,[a] Thomas A. Zevaco[b] and Luigi A. Agrofoglio[a,*]

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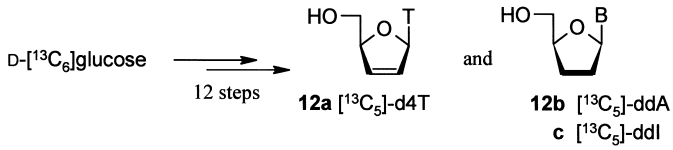
[b]*Forschungszentrum Karlsruhe GmbH, Inst. Techn. Chemie, Bereich Chemisch-Physikalische Verfahren, D-7601 Karlsruhe, Germany*



Hydroxylation of various molecules including heterocyclic aromatics using recombinant *Escherichia coli* cells expressing modified biphenyl dioxygenase genes

Tetrahedron 58 (2002) 9605

Norihiko Misawa,[a,b,*] Kazutoshi Shindo,[c] Haruko Takahashi,[d]
Hikaru Suenaga,[e] Kazuo Iguchi,[d] Hiroshi Okazaki,[a] Shigeaki Harayama[b] and Kensuke Furukawa[e]

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[b]*Marine Biotechnology Institute, 3-75-1, Heita, Kamaishi-shi 026-0001, Japan*
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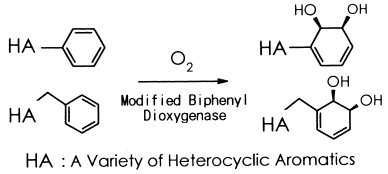
[e]*Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University, 6-10-1, Hakozaki, Fukuoka 812-8581, Japan*



Enantioselective preparation of 3,4,5-trisubstituted 4,5-dihydroisoxazoles and their stereoselective elaboration of 5-side chain

Tetrahedron 58 (2002) 9613

Akio Kamimura,[a,*] Yukio Kaneko,[a] Ayaki Ohta,[a] Kenji Matsuura,[a] Yasuo Fujimoto,[a] Akikazu Kakehi[b] and Shuji Kanemasa[c]

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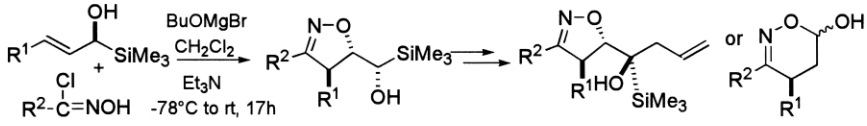
[b]*Department of Chemistry and Material Engineering, Faculty of Engineering, Shinshu University, Nagano 380-8553, Japan*
[c]*Institute of Advanced Material Study, Kyushu University, Kasuga 816, Japan*



Reversal of diastereofacial selectivity in the nucleophilic addition reaction to chiral *N*-sulfinimine and application to the synthesis of indrizidine 223AB

Tetrahedron 58 (2002) 9621

Yuji Koriyama, Akihiro Nozawa, Ryuuichirou Hayakawa and Makoto Shimizu*

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Diastereoselective addition reaction of ester enolates and Grignard reagents to chiral *N*-sulfinimines was examined. Reversal of the diastereofacial selectivity was observed using the appropriate metal species, solvents, and additives. Application to the synthesis of indrizidine alkaloids was also described.