Graphical abstracts

Recent advances in the stereoselective synthesis of β-amino acids

Tetrahedron 58 (2002) 7991

Mei Liu and Mukund P. Sibi*

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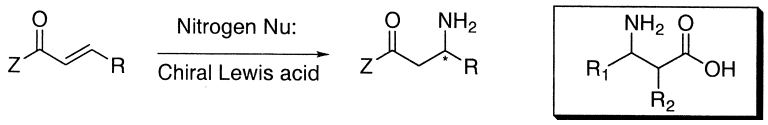
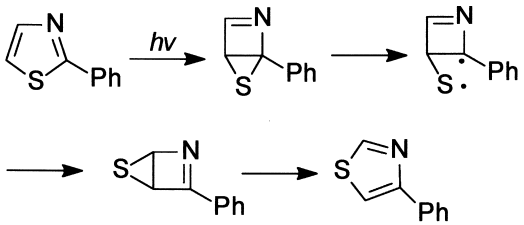


Ab initio study on the photochemical isomerization of thiazole derivatives

Tetrahedron 58 (2002) 8037

Maurizio D'Auria

Dipartimento di Chimica, Università della Basilicata, Via N. Sauro 85, 85100 Potenza, Italy

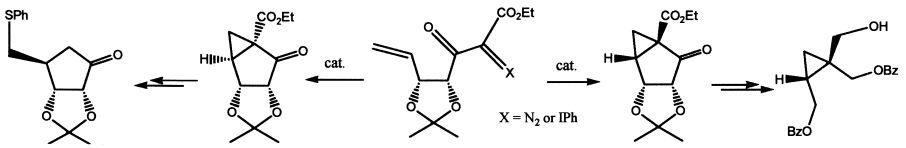


Bicyclo[3.1.0]hexanes from sugar-derived diazo compounds and iodonium ylides. Diastereocontrol and synthetic applications

Tetrahedron 58 (2002) 8043

John K. Gallos,* Theocharis V. Koftis, Zoe S. Massen, Constantinos C. Dellios, Ioannis T. Mourtzinos, Evdoxia Coutouli-Argyropoulou and Alexandros E. Koumbis

Department of Chemistry, Aristotle University of Thessaloniki, Thessaloniki 54006, Greece

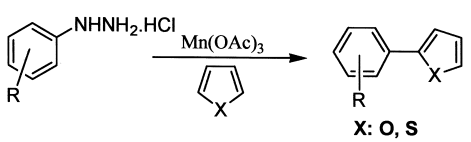


Manganese(III) acetate-mediated oxidative coupling of phenylhydrazines with furan and thiophene: a novel method for hetero biaryl coupling

Tetrahedron 58 (2002) 8055

Ayhan S. Demir* Ömer Reis and Mustafa Emrullahoğlu

Department of Chemistry, Middle East Technical University, 06531 Ankara, Turkey



On the *para*-selective chlorination of *ortho*-cresol

Tetrahedron 58 (2002) 8059

Emmanuelle A. Bugnet,[a] Adrian R. Brough,[b] Robert Greatrex[a] and Terence P. Kee[a,*]

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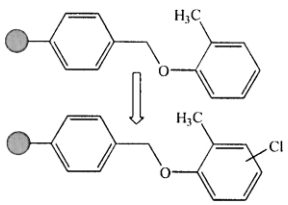
[b]*Departments of Materials and Civil Engineering, University of Leeds, Woodhouse Lane, Leeds, LS2 9JT, UK*



Study on direct benzoannelations of pyrrole and indole systems by domino reactions with 4,5-dicyanopyridazine

Tetrahedron 58 (2002) 8067

Donatella Giomi* and Marco Cecchi

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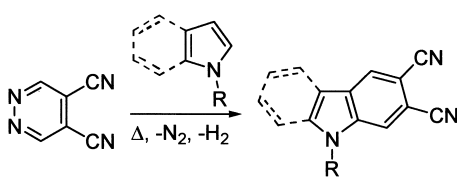


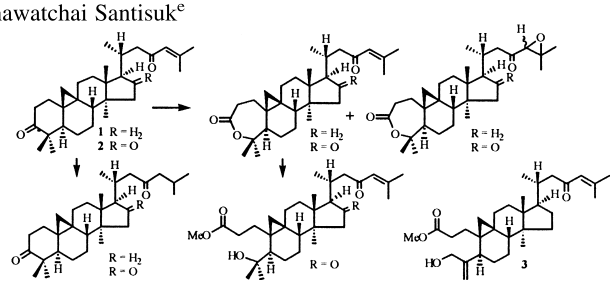
Cytotoxic and anti-HIV-1 constituents of *Gardenia obtusifolia* and their modified compounds

Tetrahedron 58 (2002) 8073

Patoomratana Tuchinda,[a,*] Wilart Pompimon,[a] Vichai Reutrakul,[a] Manat Pohmakotr,[a] Chalobon Yoosook,[b] Natedao Kongyai,[b] Samaisukh Sophasan,[c] Kulawee Sujarit,[c] Suchart E. Upathum[d] and Thawatchai Santisuk[e]

[a]*Department of Chemistry,* [b]*Department of Microbiology,* [c]*Department of Physiology,* [d]*Department of Biology, Faculty of Science, Mahidol University, Rama VI Road, Bangkok 10400, Thailand*
[e]*The Forest Herbarium, Royal Forest Department, Phaholyothin Road, Bangkok 10900, Thailand*

Natural compounds **1–3** and five 3-methoxyflavones were isolated from *Gardenia obtusifolia*. All isolated constituents, together with the modified compounds, were evaluated for cyclotoxic and anti-HIV activities.

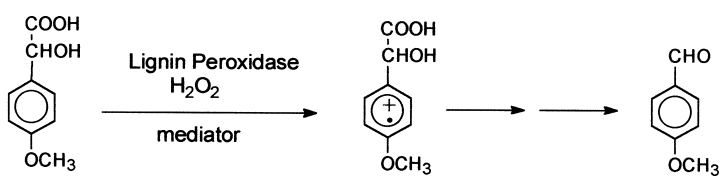


Lignin peroxidase catalysed oxidation of 4-methoxymandelic acid. The role of mediator structure

Tetrahedron 58 (2002) 8087

Enrico Baciocchi, Maria Francesca Gerini, Osvaldo Lanzalunga* and Simona Mancinelli

Dipartimento di Chimica, Università "La Sapienza", P.le A. Moro, 5, I-00185 Rome, Italy

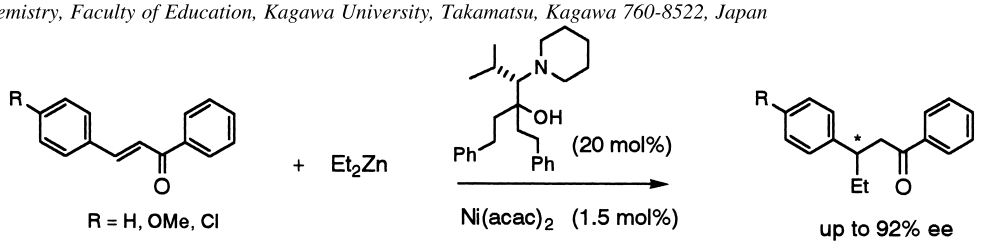


Catalytic enantioselective conjugate addition of diethylzinc to chalcones using chiral amino alcohol–nickel complexes

Tetrahedron 58 (2002) 8095

Izumi Wakimoto,[a] Yuko Tomioka[b] and Yasuhiro Kawanami[a,*]

[a]*Department of Biochemistry and Food Science, Faculty of Agriculture, Kagawa University, Miki-cho, Kagawa 761-0795, Japan*
[b]*Department of Chemistry, Faculty of Education, Kagawa University, Takamatsu, Kagawa 760-8522, Japan*

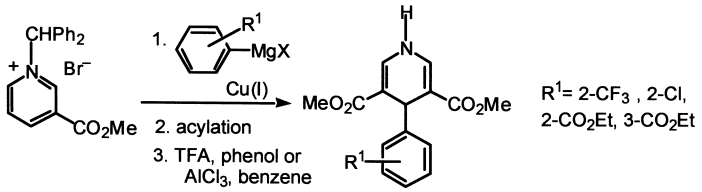


Synthesis of 4-functionalized aryl-3,5-diacyl-1,4-dihydropyridines

Tetrahedron 58 (2002) 8099

M.-Lluïsa Bennasar,* Tomàs Roca, Manuel Monerris, Cecília Juan and Joan Bosch

Laboratory of Organic Chemistry, Faculty of Pharmacy, University of Barcelona, Barcelona 08028, Spain

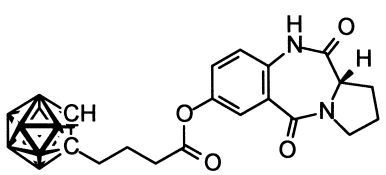


An expedient synthesis of 7-*O*-functionalised pyrrolo[2,1-*c*][1,4]benzodiazepine-5,11-diones

Tetrahedron 58 (2002) 8107

Hadi Madani, Andrew S. Thompson and Michael D. Threadgill*

Department of Pharmacy and Pharmacology, University of Bath, Claverton Down, Bath BA2 7AY, UK



Diisopropylaminoisocyanide and DMAD in multiple component reactions (MCRs): novel synthesis of substituted 1-amino-3-pyrrolin-2-ones by reaction with aldehydes and dicarbonyl compounds

Tetrahedron 58 (2002) 8113

Vijay Nair,[a,*] Joseph Swaroop Mathen,[a] S. Viji,[a] R. Srinivas,[b] M. V. Nandakumar[a] and Luxmi Varma[a]

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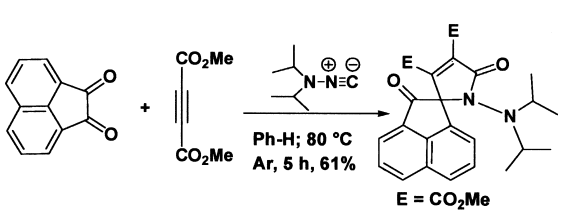
[b]*Mass Spectrometry Center, Indian Institute of Chemical Technology (CSIR), Hyderabad 500 007, India*



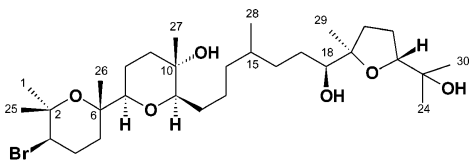
Novel marine polyethers

Tetrahedron 58 (2002) 8119

María L. Souto, Claudia P. Manríquez, Manuel Norte and José J. Fernández*

Instituto Universitario de Bio-Orgánica 'Antonio González', Universidad de La Laguna, Astrofísico Francisco Sánchez 2, 38206 La Laguna, Tenerife, Spain

The red seaweed *Laurencia viridis* is a rich source of secondary metabolites derived from squalene. Novel polyethers: clavidol **4**, 3-*epi*-dehydrothyrsiferol **5** and lactodehydrothyrsiferol **6** were isolated and characterised from this alga. The structures have been established by spectroscopical methods and the relative stereochemistry proposed on the basis of ROESY, NOEDIFF data. The biogenetic pathways are commented.

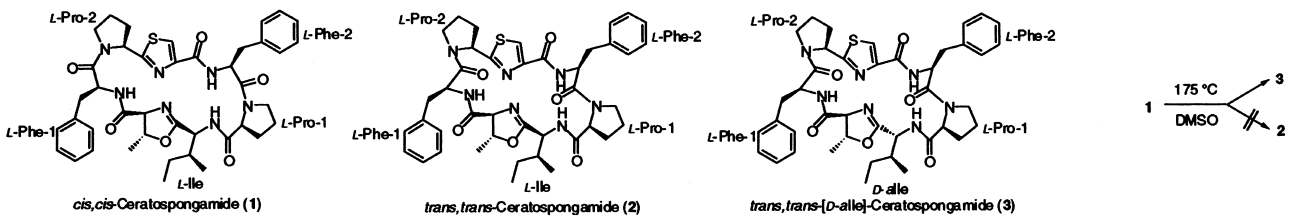


Clavidol **4**

Total synthesis and conformational studies of ceratospongamide, a bioactive cyclic heptapeptide from marine origin

Tetrahedron 58 (2002) 8127

Fumiaki Yokokawa,[a,*] Hirofumi Sameshima,[a] Yasuko In,[b,*] Katsuhiko Minoura,[b] Toshimasa Ishida[b] and Takayuki Shioiri[a]



Synthesis of functionalised pyrido[4,3-*b*][1,4]oxazine and imidazo[1,2-*a*]pyridine derivatives

Tetrahedron 58 (2002) 8145

Axelle Arrault,[a] Frédérique Touzeau,[a] Gérald Guillaumet,[a] Jean-Michel Léger,[b] Christian Jarry[b] and Jean-Yves Mérour[a,*]

[a]*Institut de Chimie Organique et Analytique, UMR CNRS 6005, Université d'Orléans, BP 6759, 45067 Orléans Cedex 2, France*
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2-Amino-3-hydroxypyridine gave access either to 1,4-oxazino derivatives or imidazopyridines depending on the annelating reagent. Ethyl 4*H*-pyrido[4,3-*b*][1,4]oxazine-2-carboxylate is obtained from 3-amino-4-hydroxypyridine.