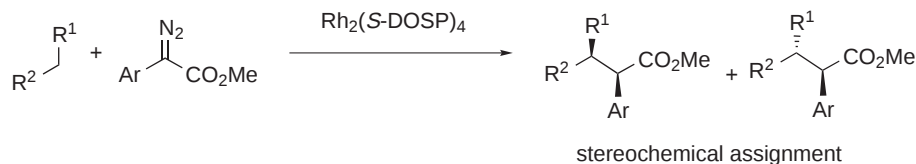
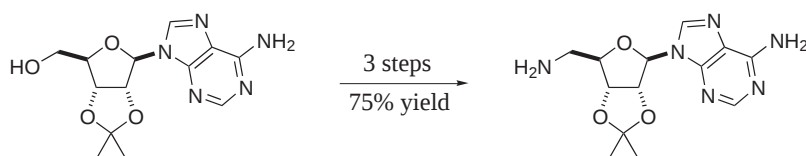


Conformational analysis and stereochemical assignments of products derived from C–H activation at secondary sites*Tetrahedron Letters 42 (2001) 3149*

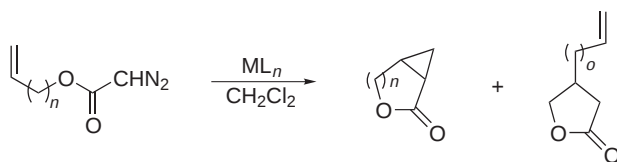
Huw M. L. Davies* and Pingda Ren

Department of Chemistry, University at Buffalo, The State University of New York, Buffalo, NY 14260-3000, USA**Synthesis of 5'-functionalized adenosine: suppression of cyclonucleoside formation***Tetrahedron Letters 42 (2001) 3153*

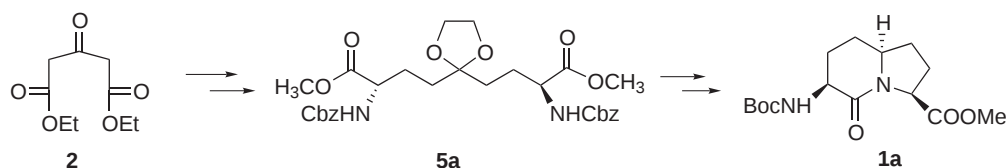
Fei Liu and David J. Austin*

Department of Chemistry, Yale University, New Haven, CT 06520, USA**Cyclopropanation versus carbon–hydrogen insertion. The influences of substrate and catalyst on selectivity***Tetrahedron Letters 42 (2001) 3155*

Michael P. Doyle* and Iain M. Phillips

Department of Chemistry, University of Arizona, Tucson, AZ 5721-0041, USA**An efficient approach to asymmetric synthesis of dipeptide β -turn mimetics: indolizidinone amino acids***Tetrahedron Letters 42 (2001) 3159*

Wei Wang, Chiyi Xiong and Victor J. Hruby*

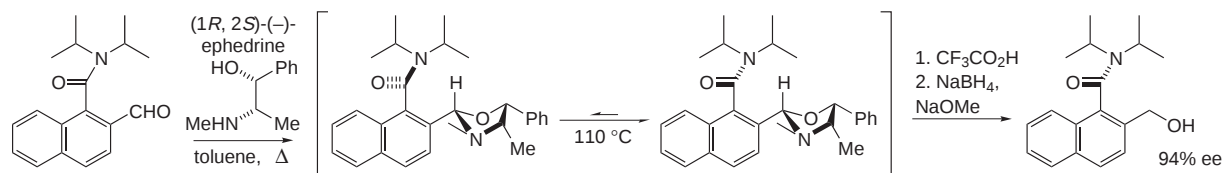
Department of Chemistry, University of Arizona, Tucson, AZ 85721, USA

(-)-Ephedrine as an auxiliary for the asymmetric synthesis of atropisomeric amides by dynamic resolution under thermodynamic control

Tetrahedron Letters 42 (2001) 3163

Jonathan Clayden* and Lai Wah Lai

Department of Chemistry, University of Manchester, Oxford Road, Manchester M13 9PL, UK



Dimercaptoethane oxirane ring opening reaction: β,β' -dihydroxy dithioether synthesis

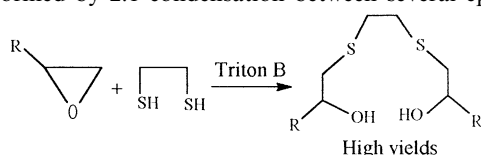
Tetrahedron Letters 42 (2001) 3167

Moufida Romdhani Younes,^a Mohamed Moncef Chaabouni^b and Ahmed Baklouti^{a,*}

^a*Laboratoire de Chimie Structurale Organique, Faculté des Sciences de Tunis, 1060 Tunis, Tunisia*

^b*Ecole Supérieure des Industries Alimentaires, 58 Avenue Alain Savary, 1003 Tunis, Tunisia*

β,β' -dihydroxy dithioethers are formed by 2:1 condensation between several epoxides with dimercaptoethane using Triton B as catalyst.



R = CH₃ ; C₂H₅ ; CH₂Cl ; PhOCH₂ ; C₈F₁₇ ; Ph ; Cyclohexene oxide

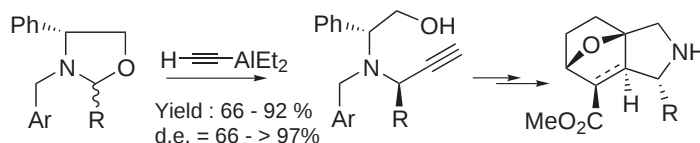
Asymmetric synthesis of α -substituted propynyl amines. Application to the preparation of a polysubstituted dihydroisoindoline framework

Tetrahedron Letters 42 (2001) 3171

Jérôme Blanchet, Martine Bonin,* Laurent Micouin* and Henri-Philippe Husson

Laboratoire de Chimie Thérapeutique associé au CNRS et à l'Université René Descartes, Faculté des Sciences Pharmaceutiques et Biologiques, 4 Avenue de l'Observatoire, 75270 Paris cedex 06, France

Unprotected diethylethynylaluminum reacts in an efficient and diastereoselective manner with chiral non-racemic oxazolidines. The use of this reaction for the rapid elaboration of a polysubstituted isoindoline framework is described.

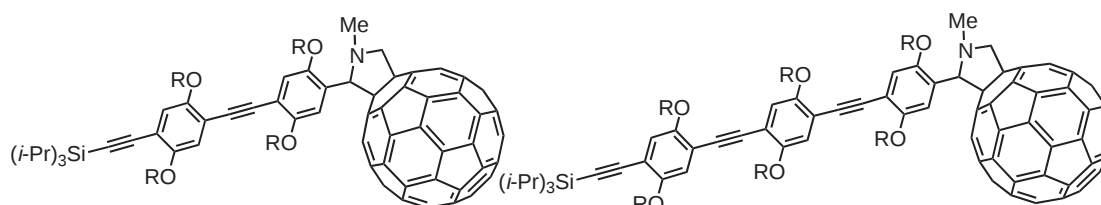


Synthesis of fullerene-oligophenyleneethynylene hybrids

Tetrahedron Letters 42 (2001) 3175

Tao Gu and Jean-François Nierengarten*

Groupe des Matériaux Organiques, Institut de Physique et Chimie des Matériaux de Strasbourg, Université Louis Pasteur et CNRS, 23 rue du Loess, 67037 Strasbourg Cedex, France



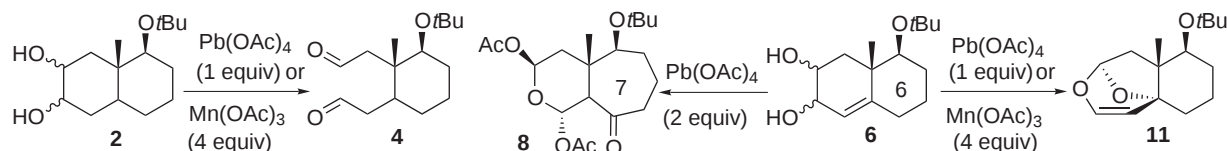
Tandem glycol cleavage—intramolecular 4+2 cycloadditions mediated by Mn(OAc)₃

Tetrahedron Letters 42 (2001) 3179

José Ignacio Candela Lena, Maria del Rosario Rico Ferreira, José Ignacio Martín Hernando, Ertan Altinel and Siméon Arseniyadis*

Institut de Chimie des Substances Naturelles, CNRS, F-91198 Gif-sur-Yvette, France

Some observations on the potential of an olefin to generate reagent-dependent molecular diversity are reported. The scope of the methodology in terms of substrate structure is investigated.



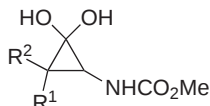
α -Aminocyclopropanone hydrates: potential transition-state analog inhibitors of serine proteases

Tetrahedron Letters 42 (2001) 3183

Eric Doris,^{a,*} Alain Wagner^b and Charles Mioskowski^{a,b,*}

^aCEA/Saclay, Service des Molécules Marquées, Département de Biologie Cellulaire et Moléculaire, 91191 Gif sur Yvette Cedex, France

^bLaboratoire de Synthèse Bio-Organique associé au CNRS, Université Louis Pasteur, Faculté de Pharmacie, 74 route du Rhin, 67401 Illkirch, France



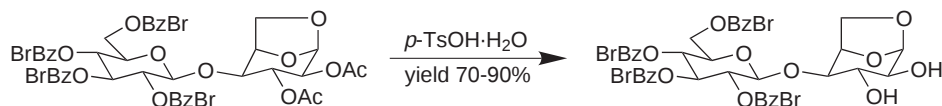
A facile chemoselective deacetylation in the presence of benzoyl and *p*-bromobenzoyl groups using *p*-toluenesulfonic acid

Tetrahedron Letters 42 (2001) 3187

Antonio G. González, Ignacio Brouard, Francisco León, Juan I. Padrón* and Jaime Bermejo*

Instituto Universitario de Bio-Organica 'Antonio González', Instituto de Productos Naturales y Agrobiología del C.S.I.C., Avenida Astrofísico F. Sánchez 3, 38206 La Laguna, Tenerife, Canary Islands, Spain

The chemoselective deacetylation occurs with excellent yields using *p*-TsOH monohydrate in CH₂Cl₂/MeOH.

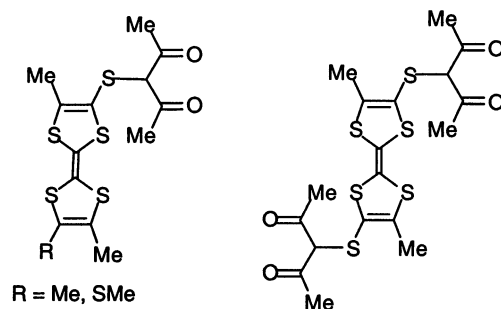


Acetylacetone substituted tetrathiafulvalenes: towards new redox active ligands

Tetrahedron Letters 42 (2001) 3189

Nathalie Bellec and Dominique Lorcy*

Synthèse et Electrosynthèse Organiques, UMR CNRS 6510, Université de Rennes 1, campus de Beaulieu, 35042 Rennes cedex, France

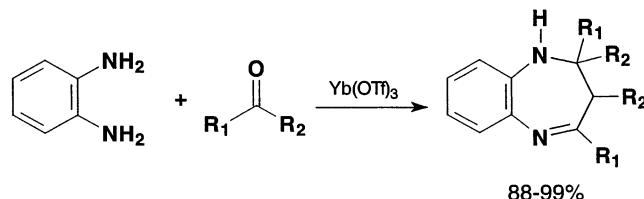


Ytterbium triflate promoted synthesis of 1,5-benzodiazepine derivatives

Tetrahedron Letters 42 (2001) 3193

Massimo Curini,* Francesco Epifano, Maria C. Marcotullio and Ornelio Rosati

Dipartimento di Chimica e Tecnologia del Farmaco, Sezione di Chimica Organica, Facoltà di Farmacia, Università degli Studi, Via del Liceo, 06123 Perugia, Italy



Complete NMR signal assignment of palytoxin and N-acetylpalytoxin

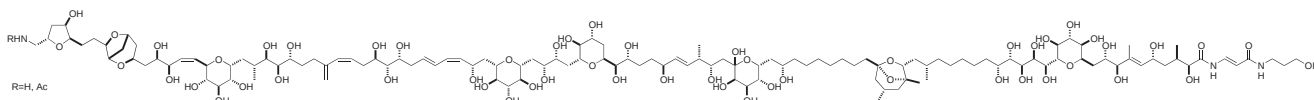
Tetrahedron Letters 42 (2001) 3197

Yukiko Kan,^a Daisuke Uemura,^b Yoshimasa Hirata,^b Masaji Ishiguro^a and Takashi Iwashita^{a,*}

^a*Suntory Institute for Bioorganic Research, Wakayamadai, Shimamoto-cho, Mishima-gun, Osaka 618-8503, Japan*

^b*Department of Chemistry, Faculty of Science, Nagoya University, Chikusa, Nagoya 464-8602, Japan*

All hydrogen and carbon NMR signals of palytoxin and N-acetylpalytoxin are assigned using multidimensional Fourier transform techniques.



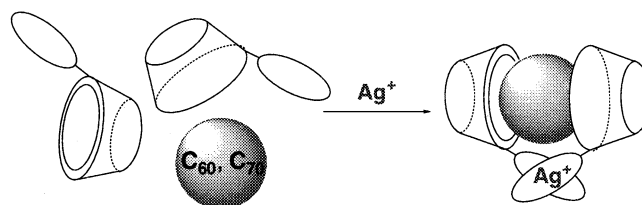
Fullerene receptor based on calix[5]arene through metal-assisted self-assembly

Tetrahedron Letters 42 (2001) 3203

Takeharu Haino, Hiromi Araki, Yuko Yamanaka and Yoshimasa Fukazawa*

Department of Chemistry, Graduate School of Science, Hiroshima University, 1-3-1 Kagamiyama, Higashi-Hiroshima 739-8526, Japan

The metal-assisted self-assembly of the calix[5]arene having a bipyridine unit is described. The assembled complex has a cavity large enough to bind C₆₀ or C₇₀. The formation of the inclusion complex with C₆₀ or C₇₀ was established by ion labeling electrospray mass spectrometry.



Solid-phase synthesis of asymmetric cyanine dyes

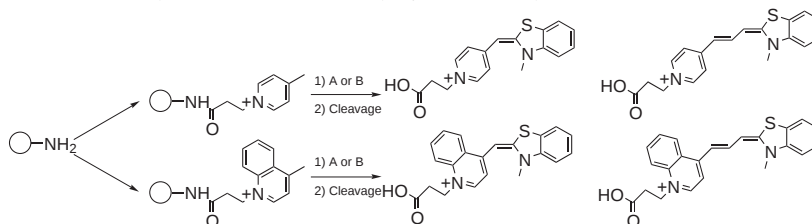
Tetrahedron Letters 42 (2001) 3207

Jennie Isacson^{a,b} and Gunnar Westman^{c,*}

^a*Department of Molecular Biotechnology, Chalmers University of Technology, PO Box 462, S-405 30 Göteborg, Sweden*

^b*Diffchamb AB, Backa Bergögata 7, S-422 46 Hisings Backa, Sweden*

^c*Department of Organic Chemistry, Chalmers University of Technology, S-412 96 Göteborg, Sweden*

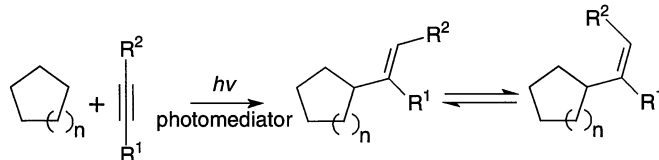


Functionalisation of cycloalkanes: the photomediated reaction of cycloalkanes with alkynes

Tetrahedron Letters 42 (2001) 3211

Niall W. A. Geraghty* and John J. Hannan

Chemistry Department, National University of Ireland, Galway, Ireland



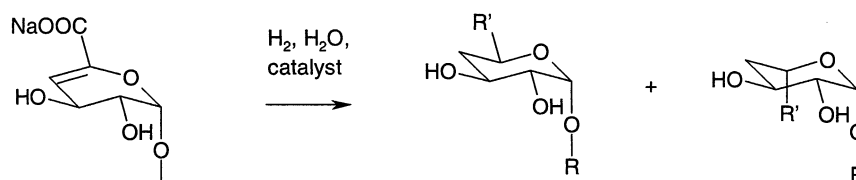
$R^1 = H, R^2 = \text{EWG}, n = 5 - 8$: yield ($E + Z$) = 18 - 70%
 $R^1 = R^2 = \text{EWG}, n = 5, 6$: yield ($E + Z$) = 30 - 50%

Hydrogenation of 4-deoxy- β -L-threo-hex-4-enopyranosyluronic acid sodium salt attached to xylofuranose or xylofuranose

Tetrahedron Letters 42 (2001) 3215

Sami A. Selkälä, Sami Alakurtti and Ari M. P. Koskinen*

Laboratory of Organic Chemistry, Helsinki University of Technology, PO Box 6100, FIN-020150 HUT, Helsinki, Finland



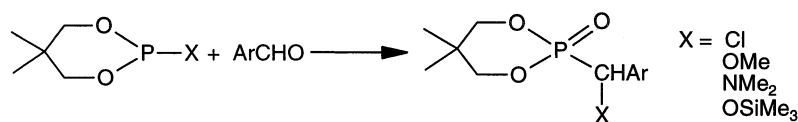
$R' = \text{COONa}$
 $R = \text{xylose chain}$

Direct synthesis of α -substituted phosphonates

Tetrahedron Letters 42 (2001) 3219

K. Praveen Kumar, C. Muthiah, Sudha Kumaraswamy and K. C. Kumara Swamy*

School of Chemistry, University of Hyderabad, Hyderabad 500 046, India



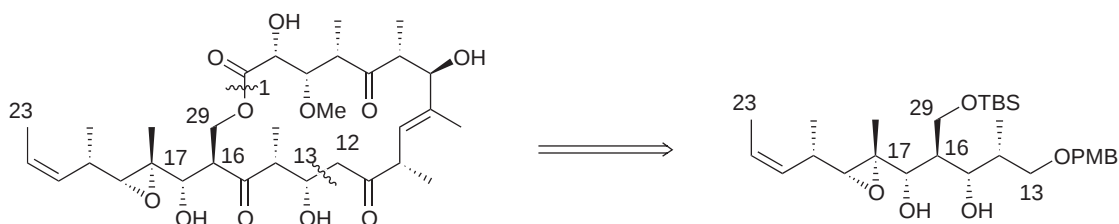
$X = \text{Cl}$
 OMe
 NMe_2
 OSiMe_3

Synthetic studies towards the total synthesis of tedanolide: formation of the C(13)–C(23) fragment

Tetrahedron Letters 42 (2001) 3223

Teck-Peng Loh* and Li-Chun Feng

Department of Chemistry, National University of Singapore, 3 Science Drive 3, Singapore 117543, Singapore



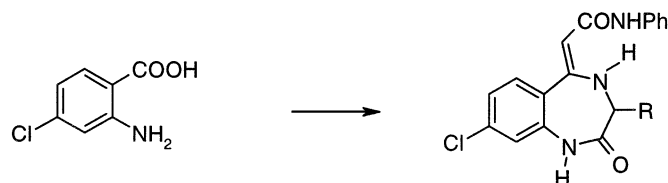
Efficient synthesis of novel benzo-[e]-[1,4]-diazepine derivatives

Tetrahedron Letters 42 (2001) 3227

Tommaso Messeri, Giorgio Pentassuglia and Romano Di Fabio*

GlaxoWellcome S.p.A., Medicines Research Center, Via Fleming 4, I-37135 Verona, Italy

Novel benzo-[e]-[1,4]-diazepines, bearing a chemically stable *Z* *exo*-methylenecarbamoyl side chain at the C-5 position, have been prepared as antagonists of the glycine binding site associated with NMDA receptor.



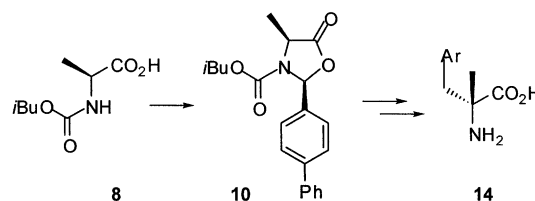
Crystallization-induced asymmetric transformations and self-regeneration of stereocenters (SROSC): enantiospecific synthesis of α -benzylalanine and hydantoin BIRT-377

Tetrahedron Letters 42 (2001) 3231

Elio Napolitano* and Vittorio Farina

Department of Chemical Development, Boehringer Ingelheim Pharmaceuticals Inc., 900 Ridgebury Road, Ridgefield, CT 06877, USA

N-Isobutoxycarbonyl protected L-alanine **8** was condensed with 4-phenylbenzaldehyde in a crystallization-controlled process to give *cis*-oxazolidinone **10** as the sole product in high yield; this underwent enolization and benzylation to **14** with the typical high degree of stereoselectivity observed in the SROSC applied to this class of heterocyclic compounds.



A concise enantioselective synthesis of the AB ring system of the manzamine alkaloids by ring-closing enyne metathesis

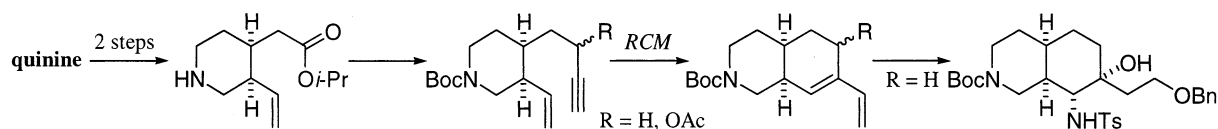
Tetrahedron Letters 42 (2001) 3235

J. Stephen Clark,^{a,*} Robert J. Townsend,^a Alexander J. Blake,^a Simon J. Teat^b and Amanda Johns^c

^a*School of Chemistry, University of Nottingham, University Park, Nottingham NG7 2RD, UK*

^b*CLRC Daresbury Laboratory, Daresbury, Warrington, Cheshire WA4 4AD, UK*

^c*Department of Medicinal Chemistry, GlaxoSmithKline, New Frontiers Science Park, Third Avenue, Harlow, Essex CM19 5AW, UK*



On the use of tandem allylic acetate isomerisation and ring-closing metathesis with palladium(0) phosphine complexes and ruthenium benzylidenes as orthogonal catalysts

Tetrahedron Letters 42 (2001) 3239

D. Christopher Braddock* and Andrew J. Wildsmith

Department of Chemistry, Imperial College of Science, Technology and Medicine, South Kensington, London SW 7 2AY, UK

