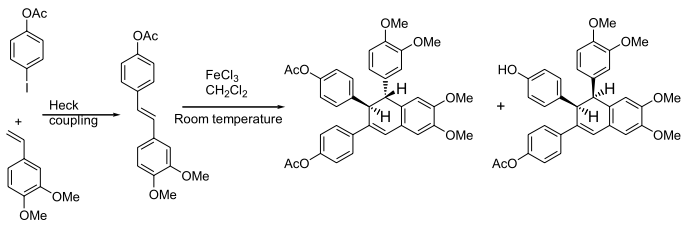
Graphical abstracts

Tandem pericyclic reactions in a new $FeCl_3$-promoted synthesis of catechol analogues of restrytisol C

Tetrahedron 58 (2002) 7201

N. F. Thomas,[a,*] K. C. Lee,[b] Thomas Paraidathathu,[b] J. F. F. Weber,[b] K. Awang,[c] D. Rondeau[d] and P. Richomme[d]

[a]*Department of Pharmacy, Faculty of Health, Science and Applied Science, Sedaya International College, Taman Segar, Cheras, 56100 Kuala Lumpur, Malaysia*
[b]*Department of Pharmacy, Faculty of Allied Health Science, Universiti Kebangsaan Malaysia, Jalan Raja Muda Abdul Aziz, 50300 Kuala Lumpur, Malaysia*
[c]*Department of Chemistry, Faculty of Sciences, Universiti Malaya, 59100 Kuala Lumpur, Malaysia*
[d]*SCRMN, Faculté des Sciences, 2, Bd. Lavoisier, 49045 Angers Cedex, France*



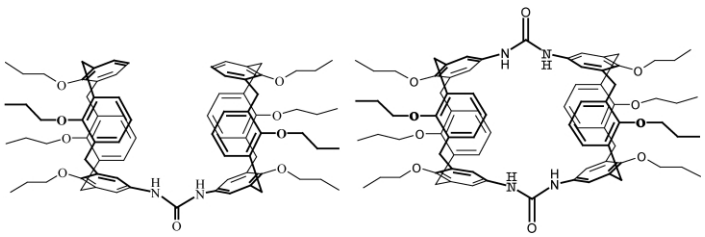
Novel biscalix[4]arene-based anion receptors

Tetrahedron 58 (2002) 7207

Václav Stastny,[a] Pavel Lhoták,[a,*] Veronika Michlová,[a] Ivan Stibor[a*] and Jan Sykora[b]

[a]*Department of Organic Chemistry, Institute of Chemical Technology, Technická 5, 166 28 Prague 6, Czech Republic*
[b]*Department of Solid State Chemistry, Institute of Chemical Technology, Technická 5, 166 28 Prague 6, Czech Republic*

Novel biscalix[4]arene derivatives where two calixarene units are connected via one or two ureido bridges on the upper rim have been prepared. These compounds represent well preorganised cavities with interesting complexation abilities towards anions.

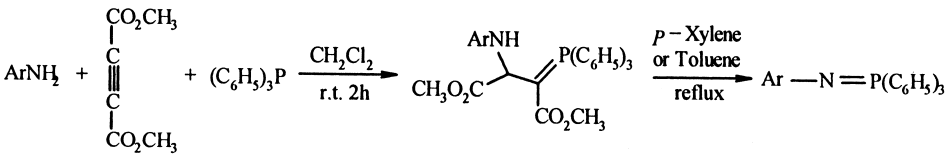


Vinyltriphenylphosphonium salt mediated serendipitous synthesis of aryliminophosphoranes

Tetrahedron 58 (2002) 7213

Issa Yavari* Mehdi Adib and Leila Hojabri

Department of Chemistry, University of Tarbiat Modarres, P.O. Box 14115-175, Tehran, Iran

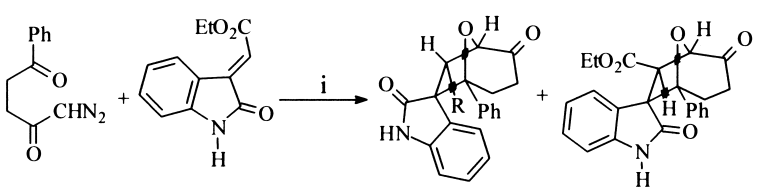


Dipolar cycloaddition of carbonyl ylides to 2-oxoindolinylidenes: a facile approach towards the synthesis of functionalized spiroindolenins

Tetrahedron 58 (2002) 7221

Vijay Nair,[a,*] P. M. Treesa,[a] Nigam P. Rath,[b] A. C. Kunwar,[c] K. S. KiranKumar,[c] A. RaviSankar,[c] M. Vairamani[d] and S. Prabhakar[d]

[a]*Organic Chemistry Division, Regional Research Laboratory (CSIR), Trivandrum 695 019, India*
[b]*Department of Chemistry, University of Missouri, St. Louis, MO 63121-4499, USA*
[c]*NMR Group, Indian Institute of Chemical Technology, Hyderabad 500 077, India*
[d]*Analytical Chemistry Division, Indian Institute of Chemical Technology, Hyderabad 500 077, India*



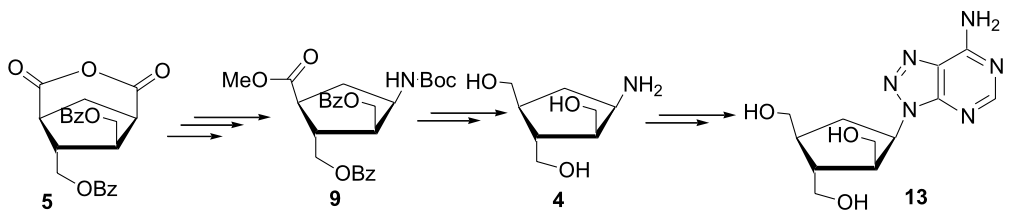
i. $Rh_2(OAc)_4$ Toluene, RT, 45 min., 98% (1.1:1)

Synthesis of (±)-*c*-4-amino-*r*-1,*t*-2,*c*-3-cyclopentanetrimethanol and higher homologues of 8-azapurine arabinocarbocyclic nucleosides

Tetrahedron 58 (2002) 7233

María José Figueira, Olga Caamaño,* Franco Fernández and José Manuel Blanco

Facultad de Farmacia, Departamento de Química Orgánica, Universidad de Santiago de Compostela, E-15782, Santiago de Compostela, Spain

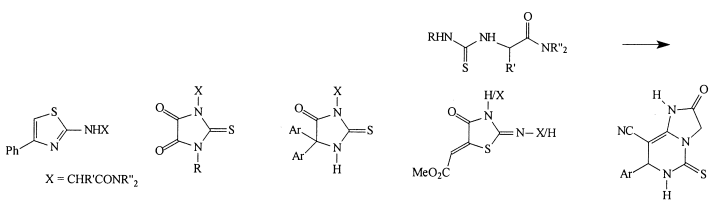


Heterocycles by cascade reactions of versatile thioureidoacetamides

Tetrahedron 58 (2002) 7241

Jens Schmeyers and Gerd Kaupp*

Organic Chemistry I, University of Oldenburg, FB 9, P.O. Box 2503, D-26111 Oldenburg, Germany

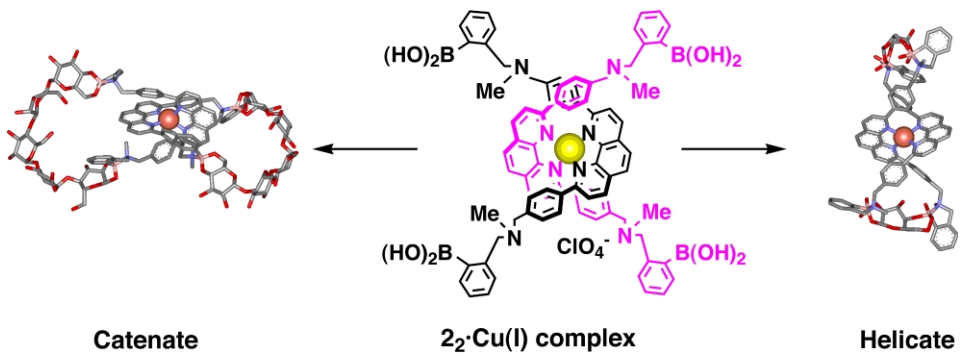


Oligosaccharide binding to a boronic-acid-appended phenanthroline·Cu(I) complex which creates superstructural helicates and catenates

Tetrahedron 58 (2002) 7251

Masashi Yamamoto, Masayuki Takeuchi and Seiji Shinkai*

Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka 812-8581, Japan

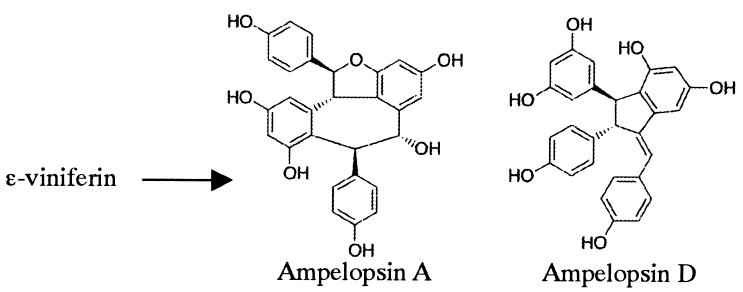


Chemical determination of the absolute structures of resveratrol dimers, ampelopsins A, B, D and F

Tetrahedron 58 (2002) 7259

Yoshiaki Takaya, Ke-Xu Yan, Kenji Terashima, Junko Ito and Masatake Niwa*

Faculty of Pharmacy, Meijo University, Tempaku, Nagoya 468-8503, Japan

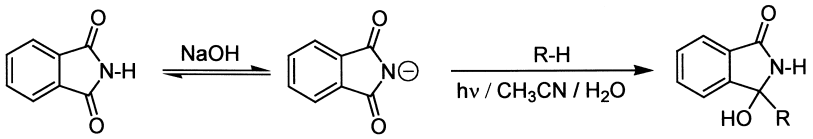


SET photochemistry of phthalimide anion and its reactivity with hydrogen donors

Tetrahedron 58 (2002) 7267

Cristobal Sánchez-Sánchez, Ezequiel Pérez-Inestrosa, Rafael García-Segura and Rafael Suau*

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Málaga, E-29071 Málaga, Spain



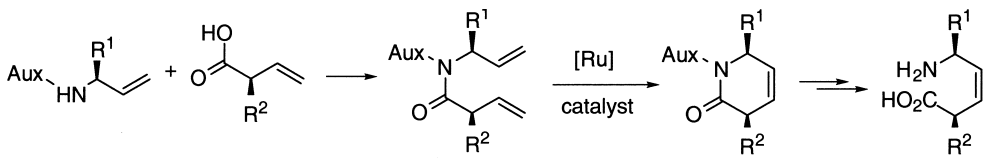
R-H = Toluene, anisole, 4-methoxytoluene, *t*-butyl methyl ether, benzyl methyl ether, *N,N*-dimethylaniline, triethylamine

An access to (*Z*)-ethylenic pseudodipeptides based on ring-closing metathesis

Tetrahedron 58 (2002) 7275

Valérie Boucard, Hélène Sauriat-Dorizon and François Guibé*

Laboratoire de Catalyse Moléculaire, Institut de Chimie Moléculaire d'Orsay, Université Paris-Sud, UPRESA-8075, Bât 420, 91405 Orsay, France



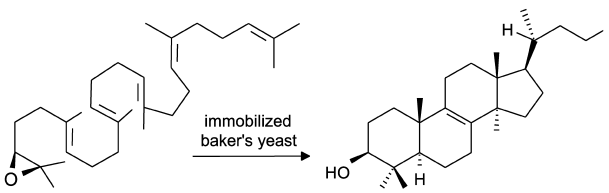
Efficient cyclization of squalene epoxide to lanosterol with immobilized cells of baker's yeast

Tetrahedron 58 (2002) 7291

Olaf Rotthaus and Martin Demuth*

Max-Planck-Institut für Strahlenchemie, P.O. Box 101 365, D-45413 Mülheim an der Ruhr, Germany

The cyclization of squalene epoxide to lanosterol with baker's yeast can be carried out in aqueous solution with glass cored immobilisates of cells in calcium alginate. This enables the manifold use of the microorganism to obtain lanosterol in a single biocatalytic step using immobilisates repeatedly.

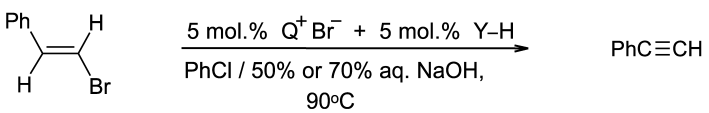


Cocatalysis in phase-transfer catalyzed base induced β-elimination. Part 2: Model studies of dehydrobromination of *trans*-β-bromostyrene

Tetrahedron 58 (2002) 7295

Mieczysław Mąkosza* and Alexey A. Chesnokov

Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw 42, POB 58, ul. Kasprzaka 44/52, 01-224 Warsaw, Poland



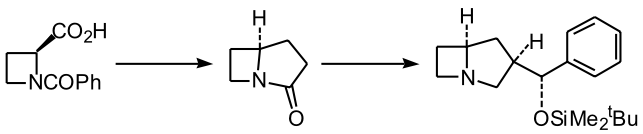
Y–H = *n*-BuOH, $PhCH_2OH$, PhC≡CH

Synthesis of chiral bicyclic azetidine derivatives

Tetrahedron 58 (2002) 7303

Anthony G. M. Barrett,* Paola Dozzo, Andrew J. P. White and David J. Williams

Department of Chemistry, Imperial College of Science, Technology and Medicine, South Kensington, London SW7 2AY, England, UK

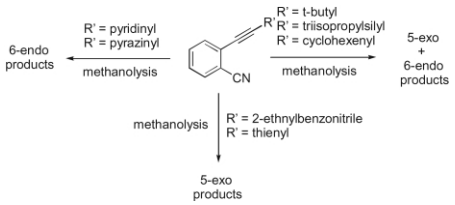


Substituent effect on anionic cycloaromatization of 2-(2-substituted ethynyl)benzonitriles and related molecules

Tetrahedron 58 (2002) 7315

Wen-Der Lu,[a] Chi-Fong Lin,[a] Chyi-Jia Wang,[b] Shih-Jen Wang[c] and Ming-Jung Wu[a,*]

[a]*School of Chemistry, Kaohsiung Medical University, Kaohsiung, Taiwan, ROC*
[b]*School of Pharmacy, Kaohsiung Medical University, Kaohsiung, Taiwan, ROC*
[c]*School of Chemistry, National Tsing Hua University, Shin-Chu, Taiwan, ROC*

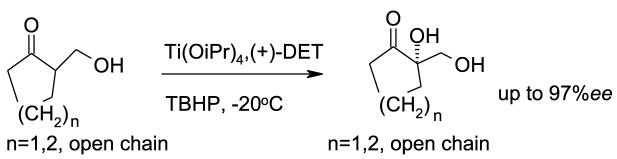


Direct asymmetric α-hydroxylation of 2-hydroxymethyl ketones

Tetrahedron 58 (2002) 7321

Anne Paju,[a] Tõnis Kanger,[b] Tõnis Pehk[c] and Margus Lopp[b,*]

[a]*Institute of Chemistry at Tallinn Technical University, Akadeemia tee 15, Tallinn 12618, Estonia*
[b]*Department of Chemistry, Tallinn Technical University, Ehitajate tee 5, Tallinn 19086, Estonia*
[c]*National Institute of Chemical Physics and Biophysics, Akadeemia tee 23, Tallinn 12618, Estonia*

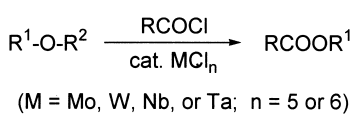


Group 5 and group 6 metal halides as very efficient catalysts for acylative cleavage of ethers

Tetrahedron 58 (2002) 7327

Qiaoxia Guo,[a] Taichi Miyaji,[a] Ryuichiro Hara,[a] Baojian Shen[b] and Tamotsu Takahashi[a,*]

[a]*Catalysis Research Center and Graduate School of Pharmaceutical Sciences, Hokkaido University and CREST, Japan Science and Technology Corporation (JST), Sapporo 060-0811, Japan*
[b]*Petroleum University–Hokkaido University Joint Laboratory, Department of Chemical Engineering, Petroleum University-Beijing, Beijing 102200, People's Republic of China*

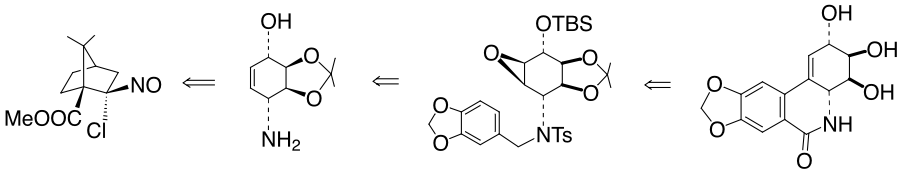


A short synthesis of (+)-lycoricidine

Tetrahedron 58 (2002) 7335

Shanmugham Elango and Tu-Hsin Yan*

Department of Chemistry, National Chung-Hsing University, Taichung 400, Taiwan, ROC

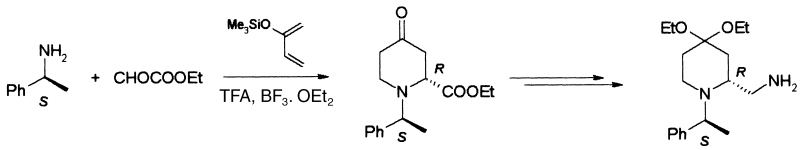


A convenient large-scale chiral synthesis of protected 2-substituted 4-oxo-piperidine derivatives

Tetrahedron 58 (2002) 7339

Jesper F. Lau,[a,*] Thomas Kruse Hansen,[b] John Paul Kilburn,[a] Karla Frydenvang,[c] Daniel D. Holsworth,[d] Yu Ge,[d] Roy T. Uyeda,[d] Luke M. Judge[d] and Henrik Sune Andersen[a]

[a]*Medicinal Chemistry Research I, Novo Nordisk A/S, Novo Nordisk Park, DK-2760 Maaloev, Denmark*
[b]*Medicinal Chemistry Research V, Novo Nordisk A/S, Novo Nordisk Park, DK-2760 Maaloev, Denmark*
[c]*Department of Medicinal Chemistry, Royal Danish School of Pharmacy, Universitetsparken 2, DK-2100 Copenhagen, Denmark*
[d]*Department of Chemistry, Ontogen Corporation, 2325 Camino Vida Roble, 92009 Carlsbad, CA, USA*

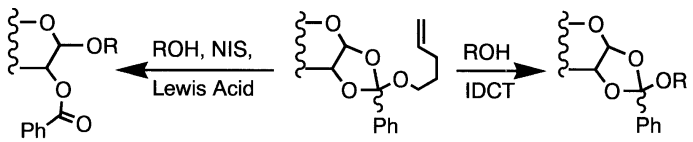


Comparing *n*-pentenyl orthoesters and *n*-pentenyl glycosides as alternative glycosyl donors

Tetrahedron 58 (2002) 7345

Mateusz Mach,[a] Urs Schlueter,[a] Felix Mathew,[a] Bert Fraser-Reid[a,*] and Kevin C. Hazen[b]

[a]*Natural Products and Glycotechnology Research Institute, Inc., 4118 Swarthmore Road, Durham, NC 27707, USA*
[b]*Departments of Pathology and Microbiology, University of Virginia Health System, Charlottesville, VA 22908, USA*

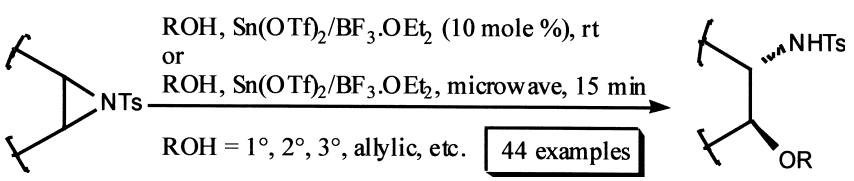


Studies on ring cleavage of aziridines with hydroxyl compounds

Tetrahedron 58 (2002) 7355

B. A. Bhanu Prasad, Rashmi Sanghi and Vinod K. Singh*

Department of Chemistry, Indian Institute of Technology–Kanpur, Kanpur 208 016, India



Tetrahedron 58 (2002) 7365

Design and synthesis of novel χ^2-constrained phenylalanine, naphthylalanine, and tryptophan analogues and their use in biologically active melanotropin peptides

Wei Wang, Minying Cai, Chiyi Xiong, Junyi Zhang, Dev Trivedi and Victor J. Hruby*

Department of Chemistry, University of Arizona, 1306 East University Blvd., Tucson, AZ 85721, USA