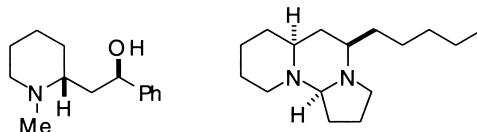
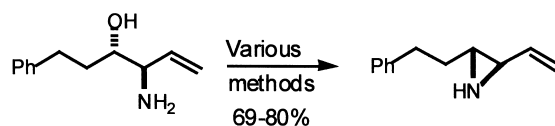


Syntheses of the sedum and related alkaloids*Tetrahedron 58 (2002) 5957*Roderick W. Bates^{a,*} and Kanicha Sa-Ei^b^aLaboratory of Medicinal Chemistry, Chulabhorn Research Institute, Vibhavadi-Rangsit Highway, Laksi, Bangkok 10210, Thailand^bDepartment of Chemistry, Chulalongkorn University, Phaya Thai Road, Patumwan, Bangkok 10330, Thailand

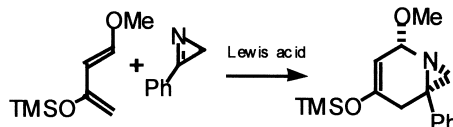
Syntheses of the sedum alkaloids, such as sedamine, and structurally related natural products, such as the tetraponerines, are discussed.

**Synthesis of *N*-H vinylaziridines: a comparative study***Tetrahedron 58 (2002) 5979*Berit Olofsson, Roel Wijtmans and Peter Somfai^{*}

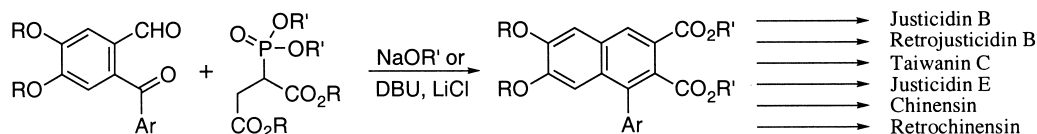
Organic Chemistry, Department of Chemistry, Royal Institute of Technology, S-100 44 Stockholm, Sweden

**Diastereoselective Lewis acid-catalysed [4+2] cycloadditions of 3-alkyl-, 3-aryl- and 3-carboxyl-2*H*-azirines: a route to aziridine containing azabicyclo[4.1.0]heptanes and azatricyclo[2.2.1.0]nonanes***Tetrahedron 58 (2002) 5983*Colin A. Ray, Erik Risberg and Peter Somfai^{*}

Organic Chemistry, Department of Chemistry, Royal Institute of Technology, S-100 44 Stockholm, Sweden

**A new benzannulation reaction and its application in the multiple parallel synthesis of arynaphthalene lignans***Tetrahedron 58 (2002) 5989*Stuart R. Flanagan, David C. Harrowven^{*} and Mark Bradley

Department of Chemistry, The University of Southampton, Southampton SO17 1BJ, UK

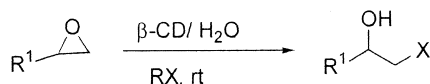


Highly facile biomimetic regioselective ring opening of epoxides to halohydrins in the presence of β -cyclodextrin

M. Arjun Reddy, K. Surendra, N. Bhanumathi and K. Rama Rao*

Organic Chemistry Division I, Indian Institute of Chemical Technology, Hyderabad 500 007, India

Tetrahedron 58 (2002) 6003

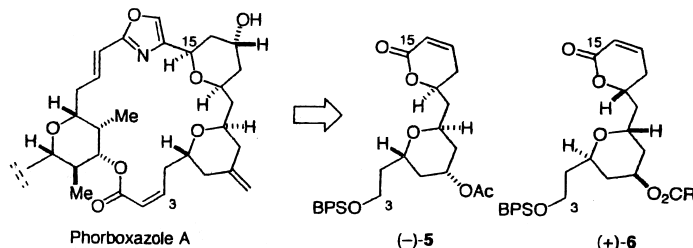


Synthetic studies directed toward the phorboxazoles: preparation of the C3–C15 bisoxane segment and two stereoisomers

Patrick B. Greer and William A. Donaldson*

Department of Chemistry, Marquette University, P.O. Box 1881, Milwaukee, WI 53201-1881, USA

A synthetic approach to the C3–C15 segment of the cytotoxic marine metabolite phorboxazoles is described. The C5–C9 pyran ring was constructed by a Lewis acid catalyzed diene–aldehyde cyclocondensation, while the C11–C15 pyrone ring was constructed by an asymmetric allylation–esterification–ring closing metathesis strategy.



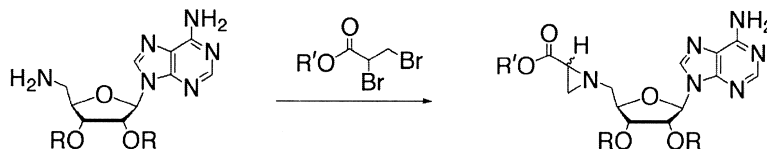
Tetrahedron 58 (2002) 6009

Expedient synthesis of aziridine-based cofactor mimics

Lindsay R. Comstock and Scott R. Rajski*

School of Pharmacy, University of Wisconsin-Madison, 777 Highland Avenue, Madison, WI 53705, USA

5'-Amino adenosine derivatives readily react with dibromopropionates to cleanly afford 5'-aziridino nucleosides. In the adenosine case presented, this affords a facile route to aziridine-based cofactor mimics capable of taking part in methyltransferase-mediated reactions. In contrast to naturally occurring *S*-adenosyl-L-methionine, these cofactor mimics allow for elaborate functionalization of a site ordinarily reserved for biological methylation.



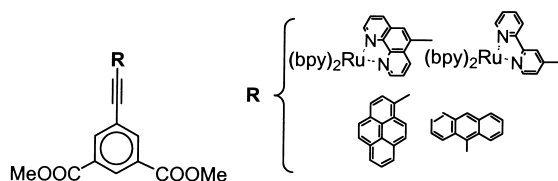
Tetrahedron 58 (2002) 6019

Synthesis of rigid-rod linkers to anchor chromophores to semiconductor nanoparticles

Dong Wang, James M. Schlegel and Elena Galoppini*

Department of Chemistry, Rutgers University, 73 Warren Street, Newark, NJ 07102, USA

Tetrahedron 58 (2002) 6027

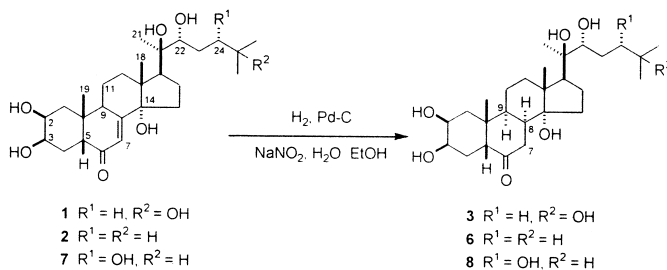


Stereoselective catalytic hydrogenation of Δ^7 -6-ketosteroids in the presence of sodium nitrite

Tetrahedron 58 (2002) 6033

Apichart Suksamram,* Tanud Tanachatchairatana and Chana Sirigarn

Department of Chemistry, Faculty of Science,
Ramkhamhaeng University, Bangkok 10240, Thailand

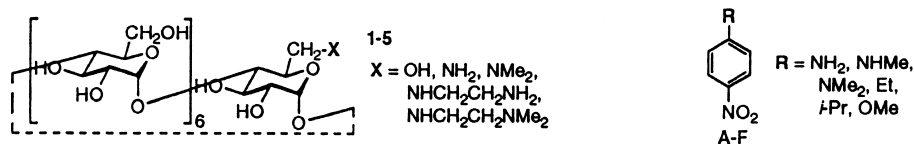


Spectrophotometric determination of binding constants between some aminocyclodextrins and nitrobenzene derivatives at various pH values

Tetrahedron 58 (2002) 6039

Paolo Lo Meo,* Francesca D'Anna, Serena Riela, Michelangelo Gruttadauria and Renato Noto*

Dipartimento di Chimica Organica 'E. Paternò', Università degli Studi di Palermo, Viale delle Scienze, Parco d'Orleans II, 90128 Palermo, Italy



Synthesis of phosphonate derivatives of methylenecyclopropane nucleoside analogues by alkylation-elimination method and unusual opening of cyclopropane ring

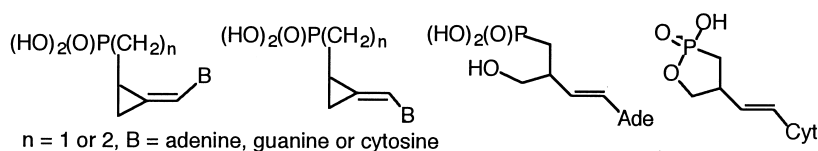
Tetrahedron 58 (2002) 6047

Hui-Ping Guan,^a Yao-Ling Qiu,^a Mohamad B. Ksebati,^b Earl R. Kern^c and Jiri Zemlicka^{a,*}

^aDevelopmental Therapeutics Program, Department of Chemistry, Barbara Ann Karmanos Cancer Institute, Wayne State University School of Medicine, 10E. Warren Avenue, Detroit, MI 48201-1379, USA

^bCentral Instrumentation Facility, Department of Chemistry, Wayne State University, Detroit, MI 48202, USA

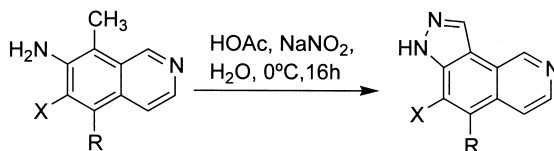
^cDepartment of Pediatrics, The University of Alabama at Birmingham, Birmingham, AL 35294, USA



Synthetic studies of the formation of pyrazoloisoquinolines

Tetrahedron 58 (2002) 6061

R. Bryan Miller, Joseph G. Stowell, Sundeep Dugar, Thomas E. Mook, Christopher W. Jenks,* Steven C. Farmer, Bach Phan, Chad E. Wujcik and Marilyn M. Olmstead
Department of Chemistry, University of California, Davis, CA 95616 USA

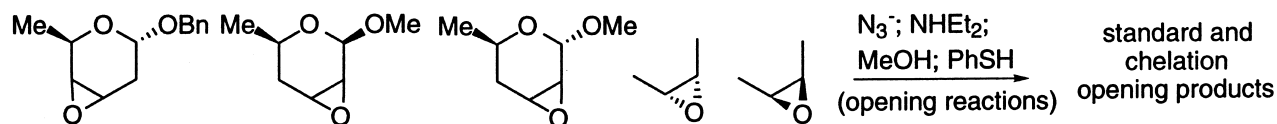


Regiochemical control of the ring opening of 1,2-epoxides by means of chelating processes. Part 17: Synthesis and opening reactions of *cis*- and *trans*-oxides derived from (2*S*,6*R*)-2-benzyloxy-6-methyl-3,6-dihydro-2*H*-pyran, (2*R*,6*R*)- and (2*S*,6*R*)-2-methoxy-6-methyl-5,6-dihydro-2*H*-pyran

Tetrahedron 58 (2002) 6069

Paolo Crotti,* Valeria Di Bussolo, Lucilla Favero, Franco Macchia and Mauro Pineschi

Dipartimento di Chimica Bioorganica e Biofarmacia, Università di Pisa, Via Bonanno 33, I-56126 Pisa, Italy

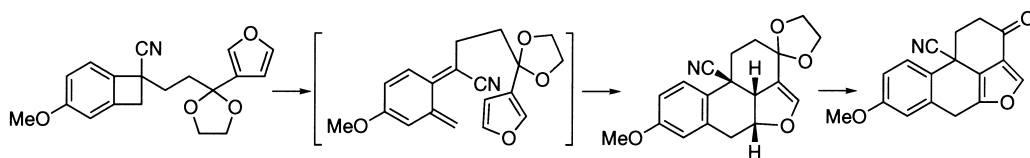


Model studies toward the total synthesis of halenaquinol and halenaquinone

Tetrahedron 58 (2002) 6097

Naoki Toyooka, Mamiko Nagaoka, Etsuko Sasaki, Hongbo Qin, Hiroko Kakuda and Hideo Nemoto*

Faculty of Pharmaceutical Sciences, Toyama Medical and Pharmaceutical University, Sugitani 2630, Toyama 930-0194, Japan



Synthesis of novel tricyclic derivatives of 7-azabenzonorbornene system

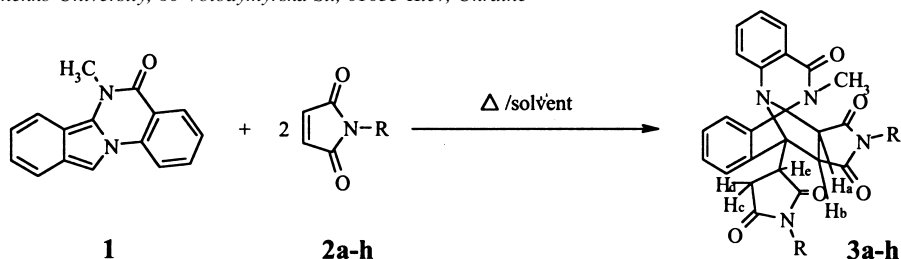
Tetrahedron 58 (2002) 6103

V. P. Samoylenko,^a Z. V. Voitenko,^{a,*} B. Donnadieu^b and J.-J. Bonnet^b

^aDepartment of Chemistry, Kiev Taras Shevchenko University, 60 Volodymyrska St., 01033 Kiev, Ukraine

^bLaboratoire de Chimie de Coordination, CNRS, 205 route de Narbonne, 31077 Toulouse Cedex 4, France

The reaction of isoindole **1** with maleinimides in the ratio 1:2 was investigated.



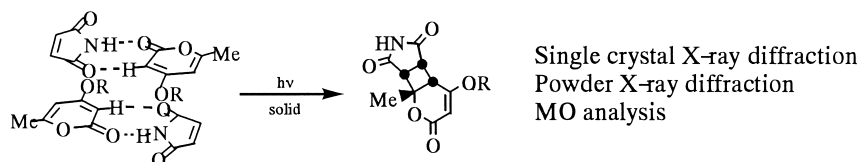
X-Ray and MO analysis of highly stereoselective solid-state photocycloadditions of 2-pyrones with maleimide

Tetrahedron 58 (2002) 6111

Tetsuro Shimo,^a Takahiro Uezono,^a Toru Obata,^a Mikio Yasutake,^b Teruo Shinmyozu^b and Kenichi Somekawa^{a,*}

^aDepartment of Applied Chemistry and Chemical Engineering, Faculty of Engineering, Kagoshima University, Korimoto 1-21-40, Kagoshima 890-0065, Japan

^bInstitute for Fundamental Research of Organic Chemistry (IFOC), Kyushu University, Hakozaki 6-10-1, Higashi-ku, Fukuoka 812-8581, Japan



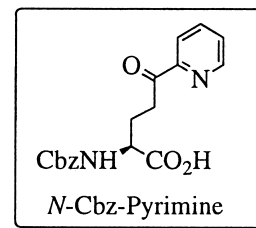
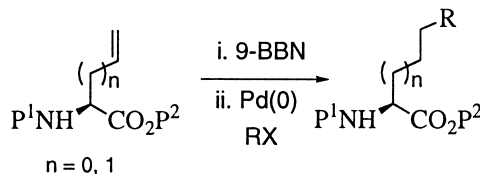
Hydroboration–Suzuki cross coupling of unsaturated amino acids; the synthesis of pyrimine derivatives

Philip N. Collier,^a Andrew D. Campbell,^a Ian Patel^b and Richard J. K. Taylor^{a,*}

^aDepartment of Chemistry, University of York, Heslington, York YO10 5DD, UK

^bAstraZeneca, Avlon Works, Severn Road, Hallen, Bristol BS10 7ZE, UK

Tetrahedron 58 (2002) 6117

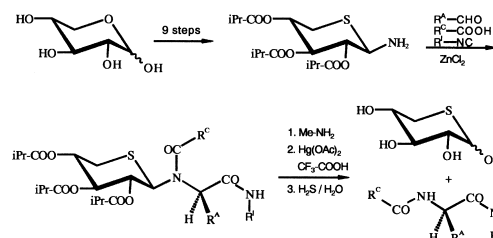


Stereoselective U-4CRs with 1-amino-5-desoxy-5-thio-2,3,4-O-isobutanoyl-β-D-xylopyranose—an effective and selectively removable chiral auxiliary

Günther F. Ross, Eberhardt Herdtweck and Ivar Ugi^{*}

Organische Chemie I, Technische Universität München, Lichtenbergstr. 4, 85747 Garching, Germany

The Ugi four component reaction (U-4CR) offers a short and direct route for the synthesis of α-amino acid and peptide derivatives. With 1-amino-5-desoxy-5-thio-2,3,4-O-isobutanoyl-β-D-xylopyranose as a chiral amine component excellent chemical yields and stereoselectivities are obtained. After the U-4CR the chiral auxiliary can be cleaved off selectively under mild conditions. The configuration of one of the products was confirmed by X-ray analysis.



Tetrahedron 58 (2002) 6127

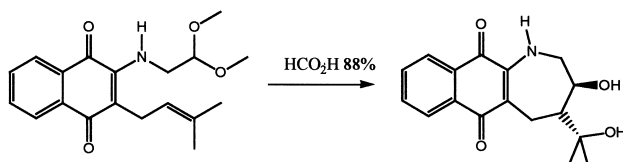
Azepines from the intramolecular Prins cyclization of an aminoderivative of lapachol

Celso A. Camara,^a Angelo C. Pinto,^a Maria D. Vargas^{b,*} and Julio Zukerman-Schpector^c

^aCentro de Tecnologia, Instituto de Química, Universidade Federal do Rio de Janeiro, Bloco A, Ilha do Fundão, 21945-970 Rio de Janeiro, RJ Brazil

^bInstituto de Química, Universidade Estadual de Campinas, CP 6154, 13083-970 Campinas, SP Brazil

^cDepartamento de Química, Universidade Federal de São Carlos, CP 676, 13565-905 Sao Carlos, SP Brazil



Tetrahedron 58 (2002) 6135