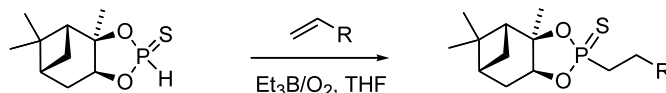
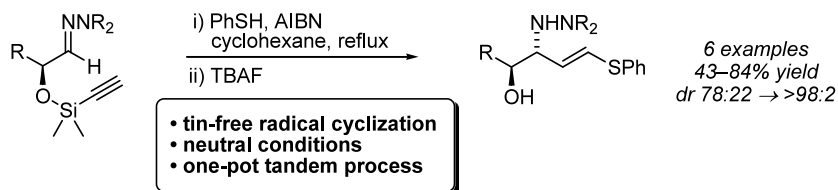
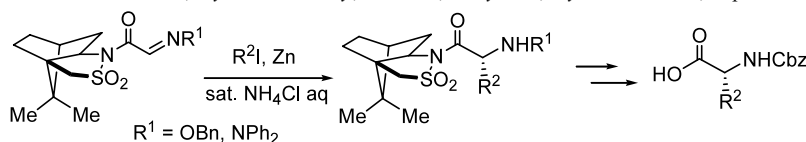
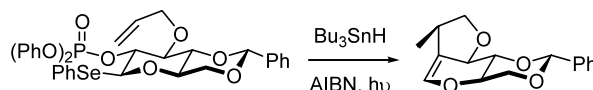


Radical addition reactions of chiral phosphorus hydrides*Tetrahedron: Asymmetry 14 (2003) 2849*Christopher M. Jessop,^a Andrew F. Parsons,^{a,*} Anne Routledge^a and Derek J. Irvine^b^aDepartment of Chemistry, University of York, Heslington, York, YO10 5DD, UK^bUnigema, Wilton Centre, Wilton, Redcar, TS10 4RF, UK**Tandem thiyl radical addition and cyclization of chiral hydrazones using a silicon-tethered alkyne***Tetrahedron: Asymmetry 14 (2003) 2853*Gregory K. Friestad,^{*} Tao Jiang and Gina M. Fioroni

Department of Chemistry, University of Vermont, Burlington, VT 05405, USA

**Zinc-mediated radical reaction of glyoxylic oxime ether and hydrazone in aqueous media: asymmetric synthesis of α -amino acids***Tetrahedron: Asymmetry 14 (2003) 2857*Masafumi Ueda,^a Hideto Miyabe,^b Azusa Nishimura,^a Hisako Sugino^a and Takeaki Naito^{a,*}^aKobe Pharmaceutical University, Motoyamakita, Higashinada, Kobe 658-8558, Japan^bGraduate School of Pharmaceutical Sciences, Kyoto University, Yoshida, Sakyo-ku, Kyoto 606-8501, Japan**Highly diastereoselective radical cyclization of a glucose-derived enol ether radical cation/phosphate anion pair***Tetrahedron: Asymmetry 14 (2003) 2861*David Crich,^{*} Dae-Hwan Suk and Sanxing Sun

Department of Chemistry, University of Illinois at Chicago, 845 West Taylor Street, Chicago, IL 60607-7061, USA



A free radical approach to the synthesis of the 1,7-dioxaspiro-[4,4]nonane ring system from carbohydrate templates

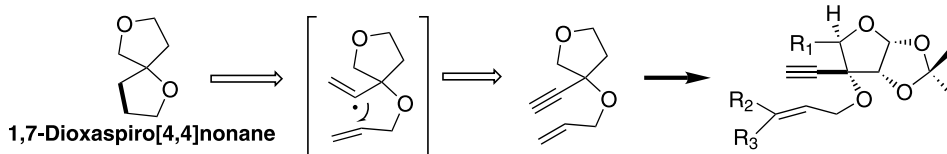
Tetrahedron: Asymmetry 14 (2003) 2865

José Marco-Contelles,^{a,*} Laura Domínguez,^a Shazia Anjum,^a Paloma Ballesteros,^b Elena Soriano^b and Denis Postel^c

^aLaboratorio de Radicales Libres Instituto de Química Orgánica General, CSIC, C/Juan de la Cierva, 3 28006 Madrid, Spain

^bDepartamento de Química Orgánica y Biología, Facultad de Ciencias, UNED, Senda del Rey, 9 28040 Madrid, Spain

^cLaboratoire de Glucides, Université de Picardie Jules Verne Faculté des Sciences 33, rue Saint Leu, 80039 Amiens, France

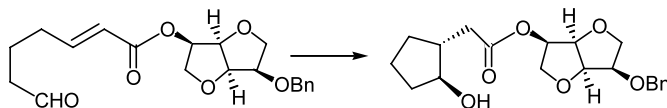


Aldehyde-alkene cyclizations via *O*-stannyl ketyl radicals using sugars as chiral auxiliaries

Tetrahedron: Asymmetry 14 (2003) 2871

Eric J. Enholm,* Florent Allais and Sebastian Bareyt

Department of Chemistry, University of Florida, Gainesville, FL 32611, USA

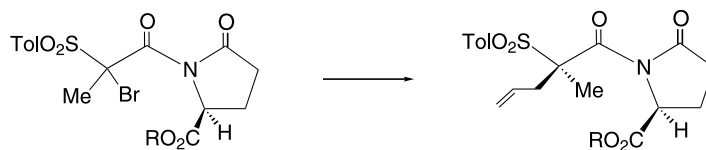


Asymmetric radical carbon-carbon bond forming reactions in chiral amides and imides under sulfonyl groups stereocontrol

Tetrahedron: Asymmetry 14 (2003) 2875

Kunio Hiroi,* Masamitsu Kaneko, Mikiyo Ishii and Fumiko Kato

Tohoku Pharmaceutical University, 4-4-1 Komatsushima, Aoba-ku, Sendai, Miyagi 981-8558, Japan

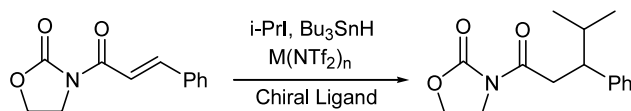


Enantioselective radical reactions: the use of metal triflimides as Lewis acids

Tetrahedron: Asymmetry 14 (2003) 2879

Mukund P. Sibi* and Goran Petrovic

Department of Chemistry, North Dakota State University, Fargo, ND 58105, USA

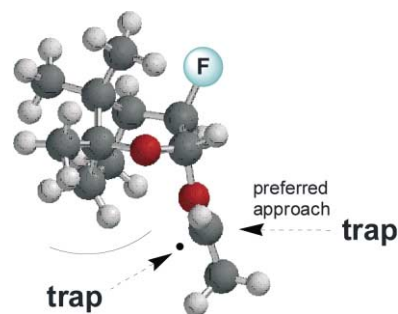


A camphor-derived chiral auxiliary for hydroxyalkyl radicals

Philip Garner,* Özge Şeşenoğlu and Hugh Burgoon

Department of Chemistry, Case Western Reserve University, Cleveland, OH 44106-7078, USA

Tetrahedron: Asymmetry 14 (2003) 2883

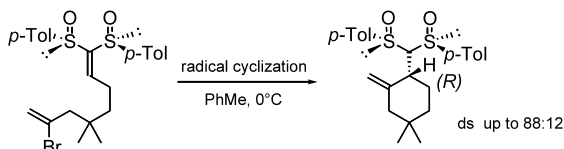


Enantiopure alkylidene-1,1-bis-*p*-tolylsulfoxides as new partners in diastereoselective radical cyclizations

Franck Brebion, Maxime Vitale, Louis Fensterbank* and Max Malacria*

Laboratoire de Chimie Organique, UMR CNRS 7611, Université Pierre et Marie Curie, Case 229, 4 place Jussieu, 75252 Paris cedex 05, France

Tetrahedron: Asymmetry 14 (2003) 2889



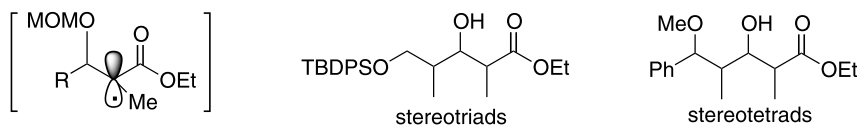
Diastereoselective radical debromination approach toward divergent syntheses of *syn*- and *anti*-propionate units, coupled with enantioselective and/or diastereoselective Lewis acid-promoted aldol reactions

Syun-ichi Kiyooka^{a,b}

^aDepartment of Chemistry, Faculty of Science, Kochi University, Akebono-cho, Kochi 780-8520, Japan

^bInstitute for Fundamental Research of Organic Chemistry, Kyushu University, Higashi-ku, Fukuoka 812-8581, Japan

Tetrahedron: Asymmetry 14 (2003) 2897

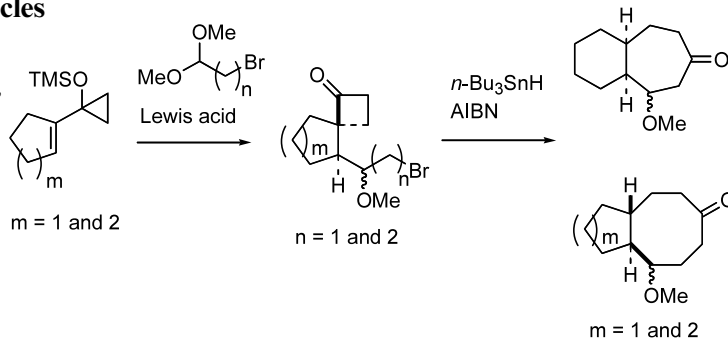


Radical cyclization–fragmentation of ω -haloalkyl cyclobutanones: a modular approach to medium-sized carbocycles

Heong-Sub Oh and Jin Kun Cha*

Department of Chemistry, University of Alabama, Tuscaloosa, AL 35487 USA and Department of Chemistry, Wayne State University, Detroit, MI 48202 USA

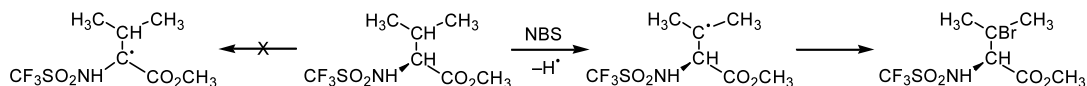
Tetrahedron: Asymmetry 14 (2003) 2911



Strategic use of amino acid *N*-substituents to limit α -carbon-centered radical formation and consequent loss of stereochemical integrity

Anna K. Croft, Christopher J. Easton,* Katherine Kociuba and Leo Radom

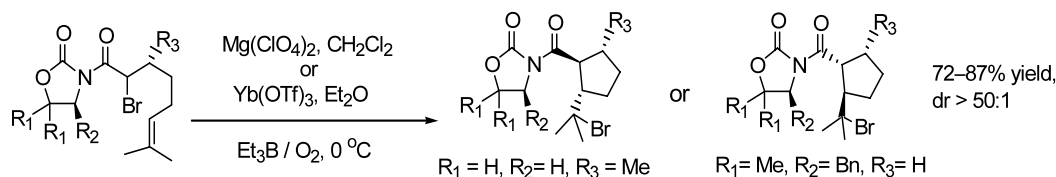
Research School of Chemistry, Australian National University, Canberra, ACT 0200, Australia



Diastereoselective atom transfer radical cyclization reactions of unsaturated α -bromo oxazolidinone imides catalyzed by Lewis acids

Dan Yang,* Bao-Fu Zheng, Shen Gu, Philip W. H. Chan and Nian-Yong Zhu

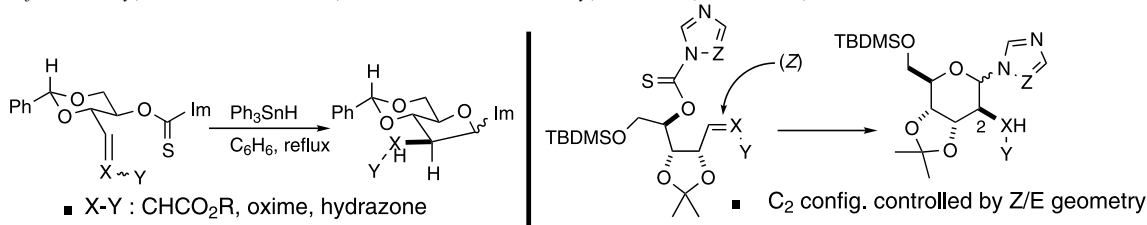
Department of Chemistry, The University of Hong Kong, Pokfulam Road, Hong Kong, PR China



Stereochemical control in radical cyclization routes to *N*-glycosides: role of protecting groups and of the configuration (*E* versus *Z*) of the acceptors

Jong Uk Rhee, Brian I. Bliss and T. V. RajanBabu*

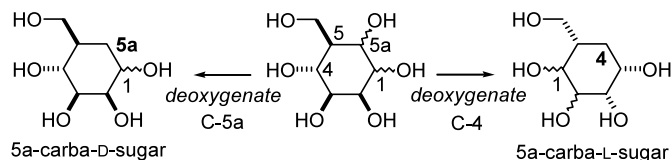
Department of Chemistry, 100 W. 18th Avenue, The Ohio State University, Columbus, OH 43210, USA



Stereodivergent synthesis of 5a-carba-hexopyranoses from carbohydrates via 6-*exo-dig* radical cyclization: preparation of 5a-carba- β -D-manno-, α -D-allo-, β -L-talo- and α -L-gulopyranose pentaacetates from D-mannose

Ana M. Gómez,* Eduardo Moreno, Gerardo O. Danelón, Serafin Valverde and J. Cristóbal López*

Instituto de Química Orgánica General, CSIC, Juan de la Cierva 3, 28006 Madrid, Spain

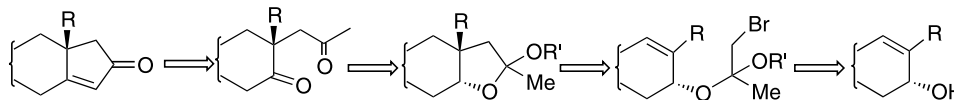


A radical cyclisation based cyclopentenone annulation of allyl alcohols

Tetrahedron: Asymmetry 14 (2003) 2975

A. Srikrishna,* R. Viswajanani and J. A. Sattigeri

Department of Organic Chemistry, Indian Institute of Science, Bangalore 560012, India



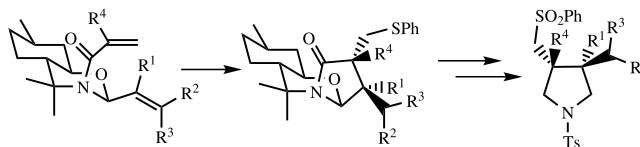
Regio- and diastereoselective tandem addition–carbocyclization promoted by sulfanyl radicals on chiral perhydro-1,3-benzoxazines

Tetrahedron: Asymmetry 14 (2003) 2985

Rafael Pedrosa,* Celia Andrés,* Juan P. Duque-Soladana, Alicia Maestro and Javier Nieto

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Valladolid, Dr. Mergelina s/n, 47011 Valladolid, Spain

Regio- and stereoselective radical addition, followed by cyclization of chiral perhydrobenzoxazines, and subsequent transformations allowed the preparation of enantiopure 3,4-disubstituted pyrrolidines.



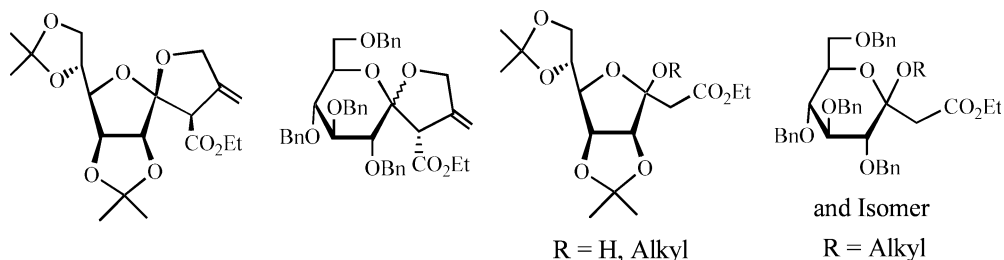
Radical reactions on enol-esters: facile synthesis of 3-ulosonic acid derivatives and chiral spiroacetals

Tetrahedron: Asymmetry 14 (2003) 2991

G. V. M. Sharma,^{a,*} Rakesh,^a A. Subhash Chander,^a V. Goverdhan Reddy,^a M. H. V. Ramana Rao^b and A. C. Kunwar^b

^aD-211, Discovery Laboratory, Organic Chemistry Division-III, Hyderabad 500 007, India

^bNMR Group, Indian Institute of Chemical Technology, Hyderabad 500 007, India



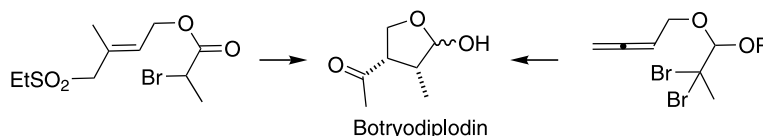
Synthesis of (±)- and (–)-botryodiplodin using stereoselective radical cyclizations of acyclic esters and acetals

Tetrahedron: Asymmetry 14 (2003) 3005

Robert Nouguier,^{a,*} Stéphane Gastaldi,^a Didier Stien,^a Michèle Bertrand,^a Félix Villar,^b Olivier Andrey^b and Philippe Renaud^{b,*}

^aLaboratoire de Chimie Moléculaire Organique, UMR 6517, Boite 562, Faculté des Sciences St Jérôme, Université d'Aix-Marseille III, Av. Escadrille Normandie-Niemen, 13397 Marseille Cedex 20, France

^bUniversité de Fribourg, Département de Chimie, Pérolles, CH-1700 Fribourg, Switzerland

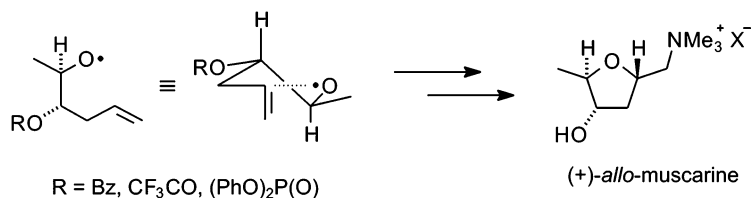


Synthesis of enantiopure (2*R*)-configured muscarine alkaloids via selective alkoxy radical ring-closure reactions

Tetrahedron: Asymmetry 14 (2003) 3019

Jens Hartung* and Rainer Kneuer

Institut für Organische Chemie, Universität Würzburg, Am Hubland, D-97074 Würzburg, Germany

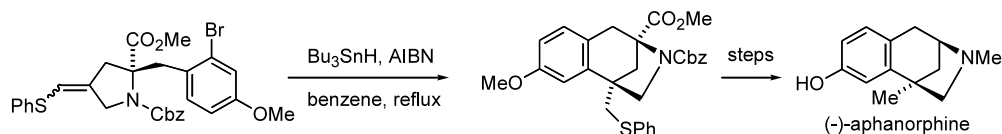


Synthesis of (–)-aphanorphine using a sulfur-directed aryl radical cyclization

Tetrahedron: Asymmetry 14 (2003) 3033

Osamu Tamura, Takehiko Yanagimachi and Hiroyuki Ishibashi*

Faculty of Pharmaceutical Sciences, Kanazawa University, Takara-machi, Kanazawa 920-0934, Japan

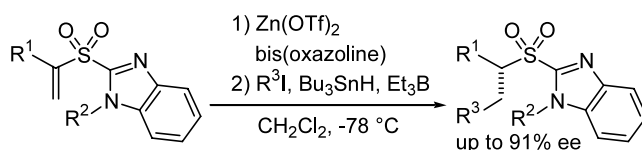


Enantioselective hydrogen atom transfer to α -sulfonyl radicals controlled by selective coordination of a chiral Lewis acid to an enantiotopic sulfonyl oxygen

Tetrahedron: Asymmetry 14 (2003) 3043

Hideki Sugimoto, Shuichi Nakamura, Yoshihiko Watanabe and Takeshi Toru*

Department of Applied Chemistry, Nagoya Institute of Technology, Gokiso, Showa-ku, Nagoya 466-8555, Japan



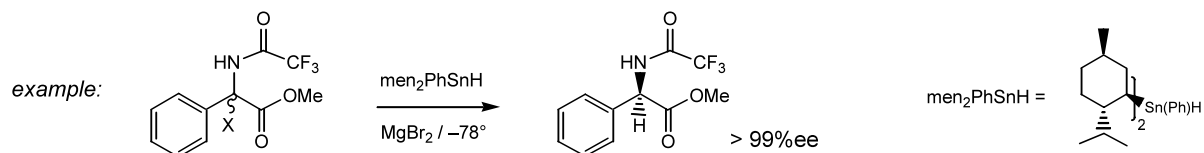
Single enantiomer free-radical chemistry—Lewis acid-mediated reductions of racemic halides using chiral non-racemic stannanes

Tetrahedron: Asymmetry 14 (2003) 3057

Dainis Dakternieks,^a V. Tamara Perchyonok^b and Carl H. Schiesser^{b,*}

^a*Centre for Chiral and Molecular Technologies, Deakin University, Geelong, Victoria, 3217, Australia*

^b*School of Chemistry, Bio21 Molecular Science and Biotechnology Institute, The University of Melbourne, Victoria 3010, Australia*



Enantioselective hydrogen transfer reactions from chiral binaphthyl variants of tin hydrides to prochiral radicals

Michael Blumenstein, Matthias Lemmler, Ahlke Hayen and Jürgen O. Metzger*

Department of Chemistry, University of Oldenburg, PO Box 2503, 26111 Oldenburg, Germany

