

Graphical abstracts

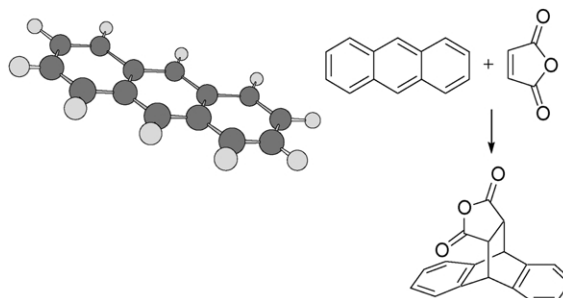
Diels–Alder reactions of anthracene, 9-substituted anthracenes and 9,10-disubstituted anthracenes

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^aSchool of Natural Sciences—Chemistry, University of Newcastle upon Tyne, Bedson Building, Newcastle upon Tyne NE1 7RU, UK

^bDepartment of Chemistry, Dainton Building, University of Sheffield, Brook Hill, Sheffield S3 7HF, UK

An overview of the mechanisms and transformations of Diels–Alder reactions of substituted anthracene derivatives is presented.

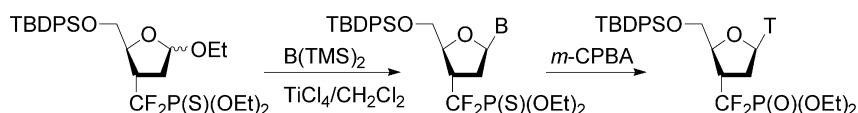


Tetrahedron 59 (2003) 9039

N-Glycosylation of 2,3-dideoxyfuranose derivatives having a (diethoxyphosphorothioyl)difluoromethyl group at the 3 α -position

Tetsuo Murano, Yoko Yuasa, Soichiro Muroyama, Tsutomu Yokomatsu* and Shiroshi Shibuya

School of Pharmacy, Tokyo University of Pharmacy and Life Science, 1432-1 Horinouchi, Hachioji, Tokyo 192-0392, Japan



Selectivity: B=thymine-1-yl, $\beta/\alpha=89:11$; B=N⁶Bz-adenine-9-yl, $\beta/\alpha=52:48$

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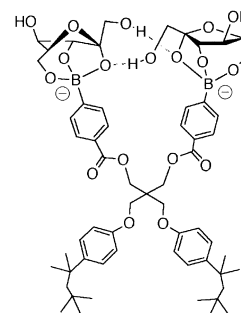
Highly selective lipophilic diboronic acid that transports fructose as the trisidate 2,3,6- β -D-fructofuranose ester

Scott P. Draffin,^a Peter J. Duggan,^{a,*} Sandhya A. M. Duggan^a and Jens Chr. Norrild^b

^aSchool of Chemistry, Monash University, Clayton, Melbourne, Vic. 3800, Australia

^bDepartment of Chemistry, University of Copenhagen, Universitetsparken 5, DK-2100 Copenhagen, Denmark

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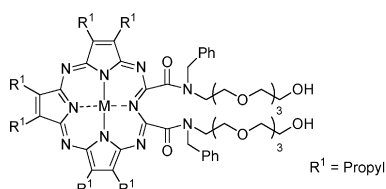
Novel peripherally functionalized *seco*-porphyrazines: synthesis, characterization and spectroscopic evaluation

Efstathia G. Sakellariou,^a Antonio Garrido Montalban,^a Scott L. Beall,^a David Henderson,^a Hubert G. Meunier,^b David Phillips,^a Klaus Suhling,^a Anthony G. M. Barrett^{a,*} and Brian M. Hoffman^{c,*}

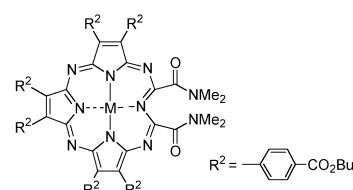
^aDepartment of Chemistry, Imperial College, South Kensington, London SW7 2AZ, UK

^bDepartment of Chemistry, Assumption College, Worcester, MA 01609, USA

^cDepartment of Chemistry, Northwestern University, Evanston, IL 60208, USA



Tetrahedron 59 (2003) 9083

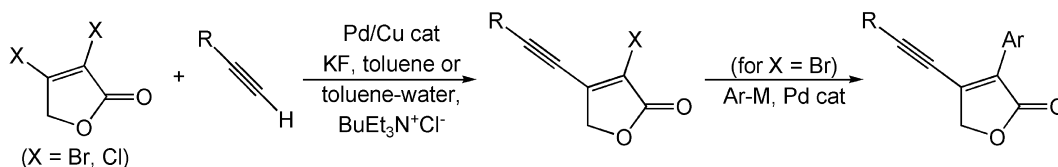


Regioselective synthesis of cytotoxic 4-(1-alkynyl)-substituted 2-(5H)-furanones

Tetrahedron 59 (2003) 9091

Fabio Bellina, Elisabetta Falchi and Renzo Rossi*

Dipartimento di Chimica e Chimica Industriale, University of Pisa, Via Risorgimento 35, I-56126 Pisa, Italy

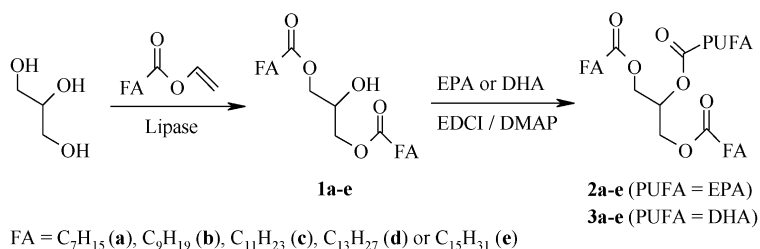


Chemoenzymatic synthesis of structured triacylglycerols by highly regioselective acylation

Tetrahedron 59 (2003) 9101

Arnar Halldorsson, Carlos D. Magnusson and Gudmundur G. Haraldsson*

Department of Chemistry, Science Institute, University of Iceland, Dunhaga 3, IS-107 Reykjavik, Iceland

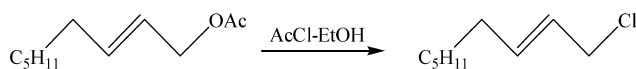


Acetyl chloride-ethanol brings about a remarkably efficient conversion of allyl acetates into allyl chlorides

Tetrahedron 59 (2003) 9111

Veejendra K. Yadav* and K. Ganesh Babu

Department of Chemistry, Indian Institute of Technology, Kanpur 208016, India

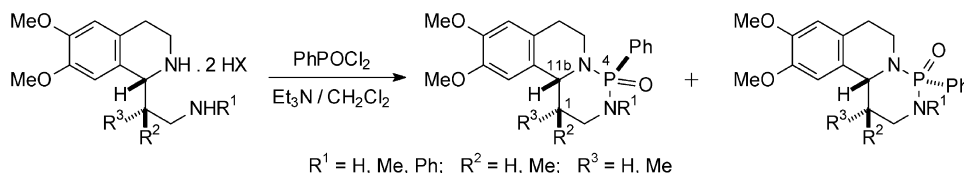


Synthesis and conformational analysis of 1,3,2-diazaphosphorino[6,1-a]isoquinolines, a new ring system

Tetrahedron 59 (2003) 9117

Zita Zalán, Tamás A. Martinek, László Lázár and Ferenc Fülöp*

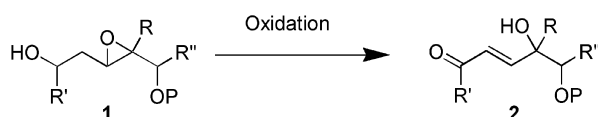
Institute of Pharmaceutical Chemistry, University of Szeged, P.O. Box 121, H-6701 Szeged, Hungary



Synthesis of chiral 4-hydroxy-2,3-unsaturated carbonyl compounds from 3,4-epoxy alcohols by oxidation: application in the formal synthesis of macrophelide A

Tushar K. Chakraborty,* Subhas Purkait and Sanjib Das
 Indian Institute of Chemical Technology, Hyderabad 500 007, India

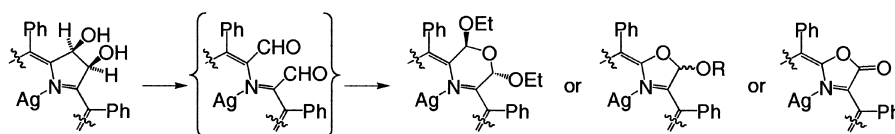
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Use of Ag(II) as a removable template in porphyrin chemistry: diol cleavage products of [*meso*-tetraphenyl-2,3-*cis*-diolchlorinato]silver(II)

Jason R. McCarthy, Patricia J. Melfi, Steven H. Capetta and Christian Brückner*
 Department of Chemistry, University of Connecticut, Unit 3060, Storrs, CT 06269-3060, USA

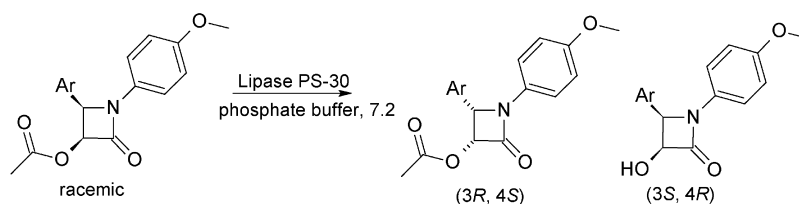
Tetrahedron 59 (2003) 9137



Lipase-catalyzed resolution of 4-aryl-substituted β -lactams: effect of substitution on the 4-aryl ring

Jason A. Carr, Talal F. Al-Azemi, Timothy E. Long, Jeung-Yeop Shim, Cristina M. Coates, Edward Turos and Kirpal S. Bisht*
 Department of Chemistry, University of South Florida, 4202 East Fowler Avenue, Tampa, FL 33620, USA

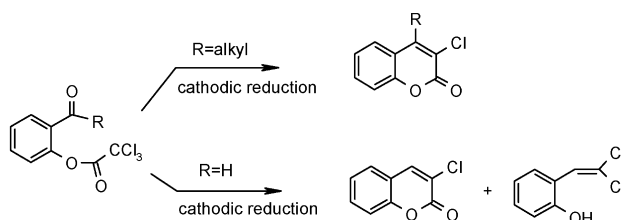
Tetrahedron 59 (2003) 9147



Cathodic reduction of hydroxycarbonyl compound trichloroacetyl esters

Dolly, B. Batanero and F. Barba*
 Department of Organic Chemistry, University of Alcalá, 28871 Alcalá de Henares, Madrid, Spain

Tetrahedron 59 (2003) 9161

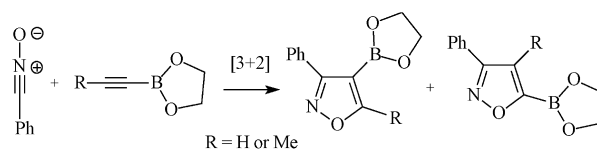


A DFT study for the regioselective 1,3-dipolar cycloadditions of nitrile *N*-oxides toward alkynylboronates

Tetrahedron 59 (2003) 9167

José A. Sáez, Manuel Arnó and Luis R. Domingo*

Departamento de Química Orgánica, Instituto de Ciencia Molecular, Universidad de Valencia. Dr. Moliner 50, E-46100 Burjassot, Valencia, Spain



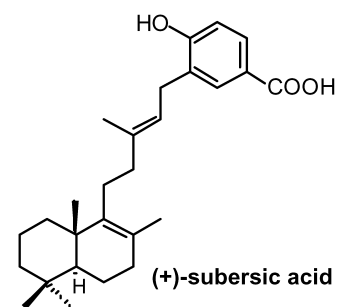
Short and efficient synthesis of (+)-subersic acids

Tetrahedron 59 (2003) 9173

Pilar Basabe,* Alberto Diego, Sergio Delgado, David Díez, Isidro S. Marcos and Julio G. Urones

Departamento de Química Orgánica, Facultad de Ciencias Químicas, Universidad de Salamanca, Plaza de los Caídos 1-5, 37008 Salamanca, Spain

An efficient synthesis of (+)-subersic acid has been achieved from Sclareol and *p*-hydroxybenzoic acid



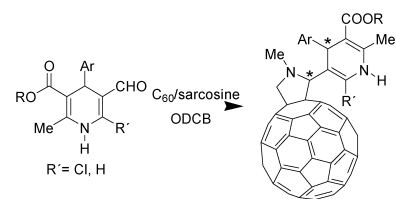
Synthesis and study of novel fulleropyrrolidines bearing biologically active 1,4-dihydropyridines

Tetrahedron 59 (2003) 9179

Margarita Suárez,^{a,*} Yamila Verdecia,^a Beatriz Illescas,^b Roberto Martínez-Alvarez,^b Amaury Alvarez,^a Estael Ochoa,^a Carlos Seoane,^b Nour Kayali^b and Nazario Martín,^{b,*}

^a*Laboratorio de Síntesis Orgánica, Facultad de Química, Universidad de La Habana, 10400 Ciudad Habana, Cuba*

^b*Departamento de Química Orgánica, Facultad de Química, Universidad Complutense, E-28040 Madrid, Spain*

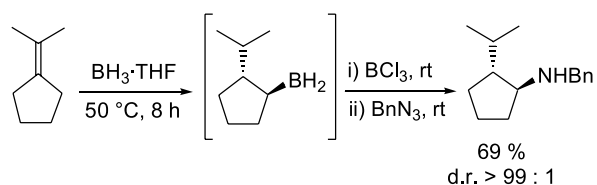


Stereoselective migration of sterically hindered organoboranes in cyclic and acyclic systems. A stereoselective allylic C–H activation reaction

Tetrahedron 59 (2003) 9187

Eike Hupe, Dmitri Denisenko and Paul Knochel*

Department Chemie, Ludwig-Maximilians-Universität München, Butenandtstrasse 5-13, D-81377 München, Germany

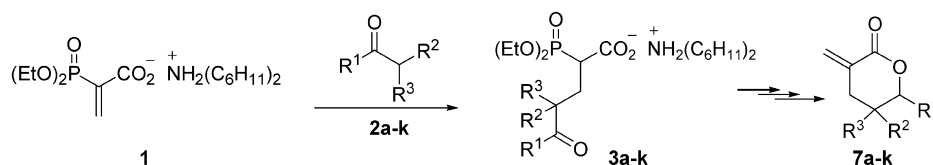


Self-catalytic Michael reaction of enolizable carbonyl compounds. A facile route to α -methylene- δ -valerolactones

Henryk Krawczyk* and Marcin Śliwiński

Institute of Organic Chemistry, Technical University (Politechnika), 90-924 Łódź, Żeromskiego 116, Poland

Tetrahedron 59 (2003) 9199

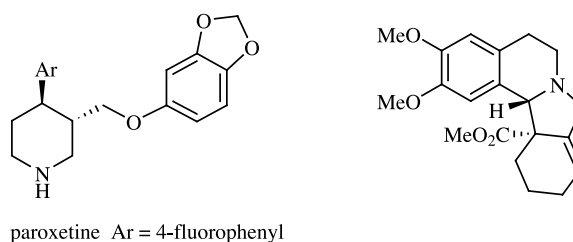


Application of the chiral base desymmetrisation of imides to the synthesis of the alkaloid jantine and the antidepressant paroxetine

Christopher D. Gill, Daniel A. Greenhalgh and Nigel S. Simpkins*

School of Chemistry, University of Nottingham, University Park, Nottingham NG7 2RD, UK

Tetrahedron 59 (2003) 9213

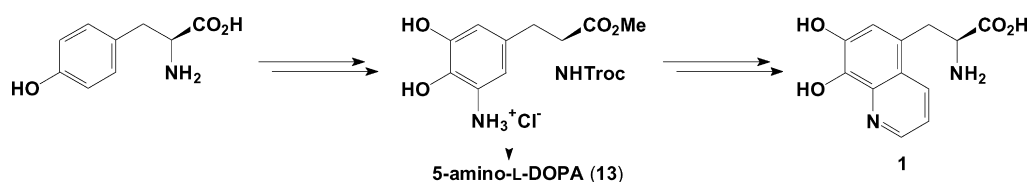


Effective syntheses of quinoline-7,8-diol, 5-amino-L-DOPA, and 3-(7,8-dihydroquinolin-5-yl)-L-alanine

Markus R. Heinrich and Wolfgang Steglich*

Department Chemie, Ludwig-Maximilians-Universität München, Butenandstr. 5-13, D-81377 München, Germany

Tetrahedron 59 (2003) 9231



Total synthesis of the marine alkaloid halitulín

Markus R. Heinrich,^a Wolfgang Steglich,^{a,*} Martin G. Banwell^b and Yoel Kashman^c

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