

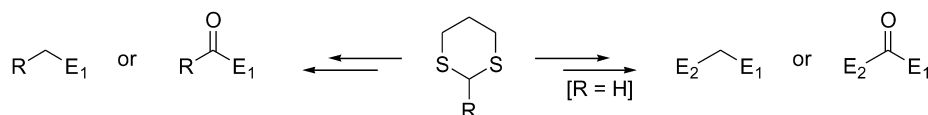
Graphical abstracts

The role of 1,3-dithianes in natural product synthesis

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Tetrahedron 59 (2003) 6147



Synthesis of functional Δ^3 -1,3,5-oxazaphospholene and 2H-1,4,2-diazaphosphole complexes via catalytic ring expansion reactions of a 2H-azaphosphirene complex

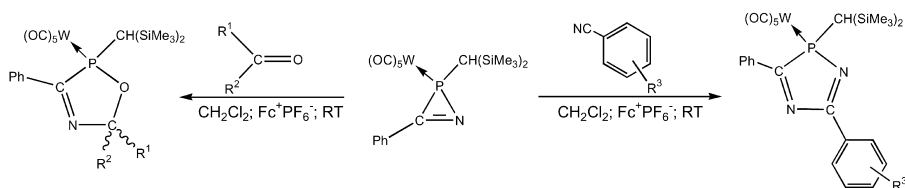
Christoph Neumann,^a Andrea Prehn Junquera,^a Cathleen Wismach,^a Peter G. Jones^a and Rainer Streubel^{b,*}

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Tetrahedron 59 (2003) 6213



Metal-catalysed radical cyclisations leading to N-heterocycles: new approaches to gabapentin and pulchellactam

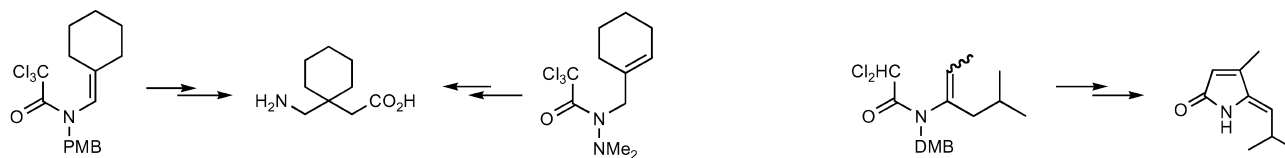
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Tetrahedron 59 (2003) 6221



Experimental and theoretical investigations for the tandem alkylation–isomerization reactions between unsaturated carboxylic acids and allyl halides

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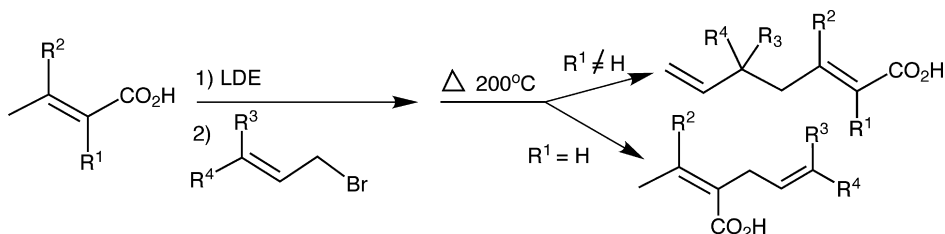
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Tetrahedron 59 (2003) 6233



Synthesis of substituted conformationally constrained 6,5- and 7,5-fused bicyclic lactams as dipeptide mimics

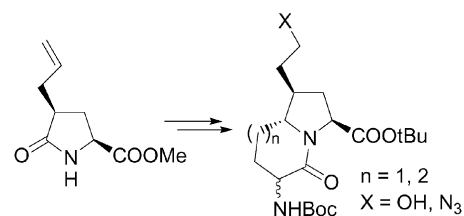
Tetrahedron 59 (2003) 6241

Erica Artale,^a Gaia Banfi,^a Laura Belvisi,^a Lino Colombo,^b Matteo Colombo,^a Leonardo Manzoni^{c,*} and Carlo Scolastico^{a,*}

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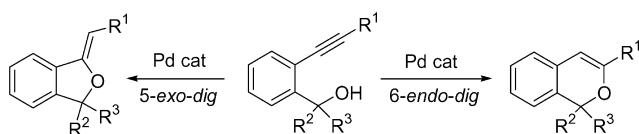
Versatile synthesis of (Z)-1-alkylidene-1,3-dihydroisobenzofurans and 1H-isochromenes by palladium-catalyzed cycloisomerization of 2-alkynylbenzyl alcohols

Tetrahedron 59 (2003) 6251

Bartolo Gabriele,^{a,*} Giuseppe Salerno,^b Alessia Fazio^b and Rosina Pittelli^b

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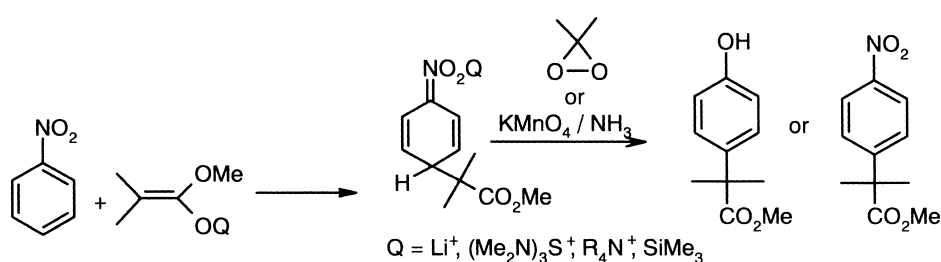


Oxidative nucleophilic substitution of hydrogen in nitroarenes by silyl enol ethers

Tetrahedron 59 (2003) 6261

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Studies on the biosynthesis of secobotryane skeleton

Tetrahedron 59 (2003) 6267

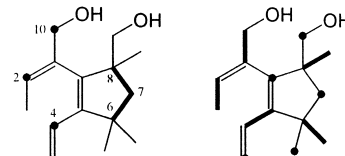
Rosa Durán-Patrón,^a Ana J. Colmenares,^b Antonio Montes,^a James R. Hanson,^c Rosario Hernández-Galán^a and Isidro G. Collado^{a,*}

^a*Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Cádiz, República Saharaui s/n, apdo. 40, 11510 Puerto Real, Cádiz, Spain*

^b*Departamento de Química, Universidad del Valle, A.A. 25360 Cali, Colombia*

^c*The School of Chemistry, Physic and Environmental Science, University of Sussex, Brighton, Sussex BN1 9QJ, UK*

The labelling and coupling patterns of secobotryatrienediol, biosynthesised from [1-¹³C] and [1,2-¹³C₂]-acetate by the fungus *B. cinerea*, have been used to define the mode of formation and the biogenetic origin of this compound.



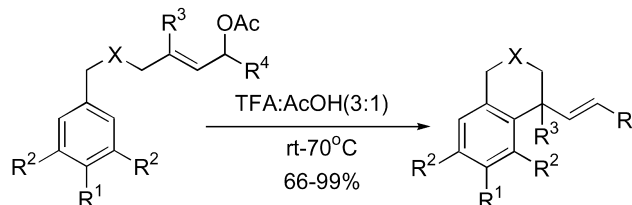
**TFA-mediated intramolecular Friedel–Crafts reaction.
An efficient metal and halogen free route to stereoselective
synthesis of benzocycles**

Tetrahedron 59 (2003) 6273

Shengming Ma* and Junliang Zhang

State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu Road, Shanghai 200032, People's Republic of China

Benzocycles were easily prepared with high regio- and stereoselectivity by the cyclic Friedel–Crafts reaction of 6-acetoxy-4-alkenyl arenes in moderate to excellent yields in TFA/HOAc (3:1).

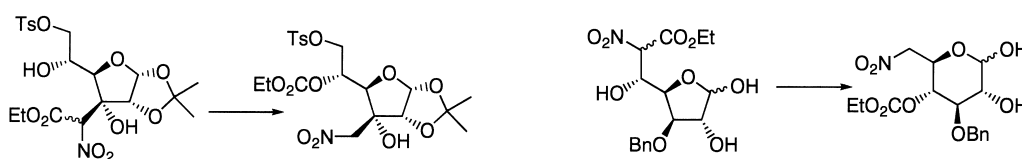


**Two new examples of the rare C→O migration of
ethoxycarbonyl groups**

Tetrahedron 59 (2003) 6285

Raqueel G. Soengas, Juan C. Estévez and Ramón J. Estévez*

Departamento de Química Orgánica, Facultad de Química, Universidade de Santiago de Compostela, 15782 Santiago de Compostela, Spain



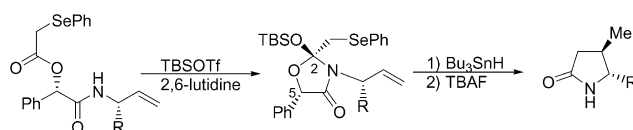
**Oxyoxazolidinone as an auxiliary for heterocyclic synthesis.
Enantioselective formation of N-protected 2-pyrrolidones
from selenocarboxylate and allylamines via radical cyclization**

Tetrahedron 59 (2003) 6291

Akio Kamimura,^{a,*} Yoji Omata,^a Keiichi Tanaka^a and Masashi Shirai^b

^aDepartment of Applied Chemistry, Faculty of Engineering, Yamaguchi University, Ube 755-8611 Japan

^bUbe Laboratory, Ube Industries Ltd., Ube 755-8633 Japan

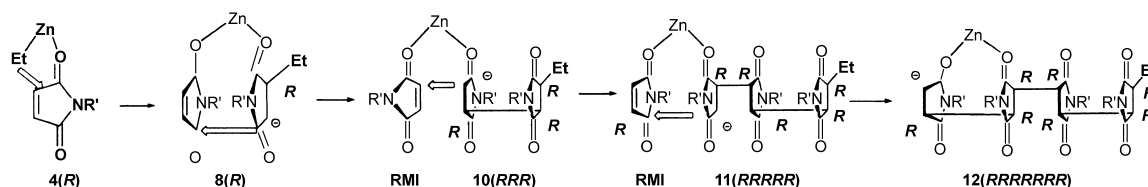


**Theoretical study on the polymerization mechanism of
substituted maleimides by using a chiral catalyst with Zn²⁺**

Tetrahedron 59 (2003) 6301

Kenzi Hori,* Kazuaki Yoshimura, Hidetoshi Ohno, Kenjiro Onimura and Tsutomu Oishi

Department of Applied Chemistry and Chemical Engineering, Faculty of Engineering, Yamaguchi University, Tokiwadai, Ube 755-8611, Japan

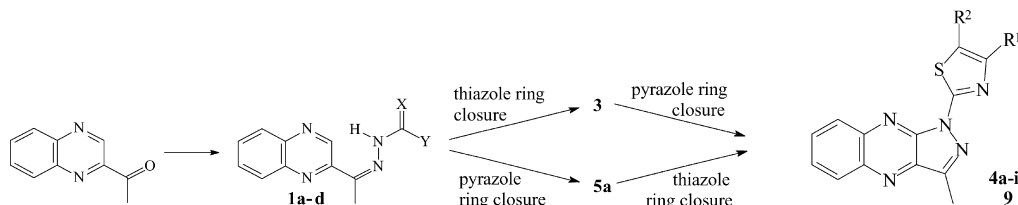


Quinoxalines. Part 12: Synthesis and structural study of 1-(thiazol-2-yl)-1*H*-pyrazolo[3,4-*b*]quinoxalines—the dehydrogenative cyclization with hydroxylamine hydrochloride

Gerhard Sarodnick, Matthias Heydenreich, Torsten Linker and Erich Kleinpeter*

Department of Organic Chemistry and Structure Elucidation, University of Potsdam, P.O. Box 60 15 53, D-14415 Potsdam, Germany

Tetrahedron 59 (2003) 6311

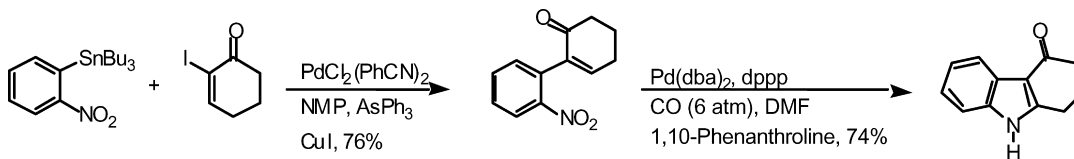


Palladium-catalyzed synthesis of 1,2-dihydro-4(3*H*)-carbazolones. Formal total synthesis of murrayaquinone A

Tricia L. Scott and Björn C. G. Söderberg*

Department of Chemistry, West Virginia University, P.O. Box 6045, Morgantown, WV 26506-6045, USA

Tetrahedron 59 (2003) 6323

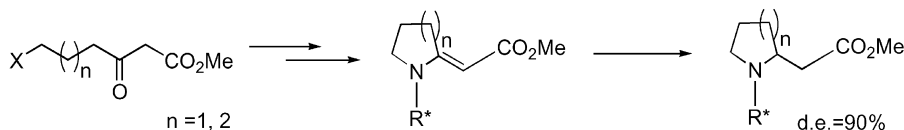


Chiral heterocyclic β-enamino esters: convenient synthesis and diastereoselective reduction

Sandrine Calvet, Olivier David, Corinne Vanucci-Bacqué, Marie-Claude Fargeau-Bellassoued and Gérard Lhommet*

Laboratoire de Chimie des Hétérocycles, associé au CNRS, Université Pierre et Marie Curie, UMR 7611, 4 Place Jussieu, F-75252 Paris cedex 05, France

Tetrahedron 59 (2003) 6333

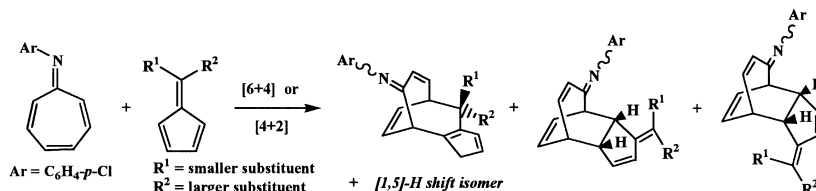


Stereoselectivity, periselectivity, and regioselectivity in the cycloadditions of 8-(*p*-chlorophenyl)-8-azaheptafulvene with cyclopentadiene and fulvenes

Ching-Yang Liu,* Chi-Chang Chen, Yu-Jui Shie, Lu-Wei Chung, Tzong-Shing Cheng, Ming-Ying Shie, Sheng-Yau Lin and Yueh-Lun Tsai

Institute of Applied Chemistry, Chinese Culture University, Hwa Kang, Taipei 111, Taiwan, ROC

It has been found that the exocyclic substituent effects exert controlling influence upon the periselectivity and regioselectivity of these cycloadditions.



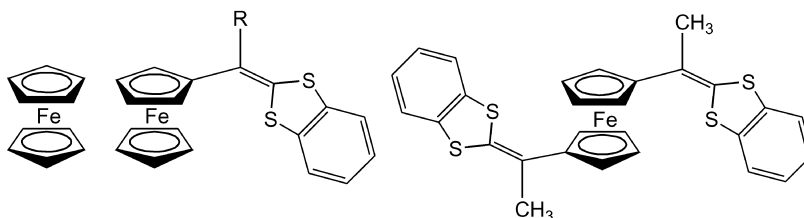
Tetrahedron 59 (2003) 6341

Synthesis and electrochemical studies of ferrocene-dithiafulvalenes (Fc-DTF) and 1,1'-bis(dithiafulvalenyl)-ferrocene (DTF-Fc-DTF). An approach towards new conducting organic materials

Tetrahedron 59 (2003) 6353

Abd El-Wareth Sarhan,* Yoshiyuki Nouchi and Taeko Izumi

Department of Chemistry and Chemical Engineering,
Faculty of Engineering, Yamagata University,
3-16 Jonan-4-Chome, Yonezawa 992-8510, Japan



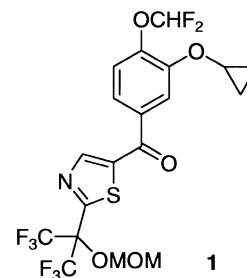
Practical synthesis of a highly functionalized thiazole ketone

Tetrahedron 59 (2003) 6363

Lisa F. Frey,* Karen M. Marcantonio, Cheng-yi Chen, Debra J. Wallace,
Jerry A. Murry, Lushi Tan, Weirong Chen, Ulf H. Dolling and Edward J. J. Grabowski

Department of Process Research, Merck Research Laboratories, Merck and Co. Inc. P.O. Box 2000, Rahway, NJ,
07065, USA

Compound **1** is a uniquely substituted ketone prepared via addition of a thiazole anion to an aromatic nitrile in good overall yield. An exploration into the generality of the addition of thiazole anions to nitriles allowed us to make a variety of thiazole ketones in good to excellent yield. The non-odorous thiolate mediated demethylation reaction used in the synthesis of **1** is also presented.



Regioselective synthesis and metallation of tributylstannylfluoropyrazines. Application to the synthesis of some new fluorinated liquid crystals diazines. Part 34

Tetrahedron 59 (2003) 6375

Frédéric Toudic, Arnault Heynderickx, Nelly Plé,* Alain Turck and Guy Quéguiner

Laboratoire de Chimie Organique Fine et Hétérocyclique, UMR 6014, IRCOF-INSA, B.P. 08, 76131 Mont St Aignan Cedex, France

