

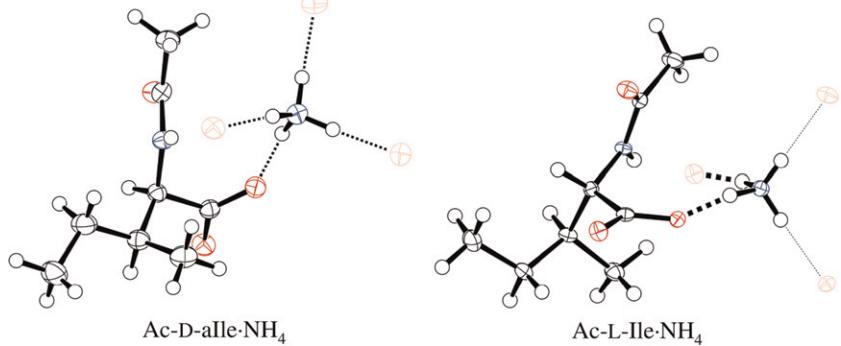
Tetrahedron: Asymmetry Vol. 19, No. 11, 2008

Contents

COMMUNICATIONS

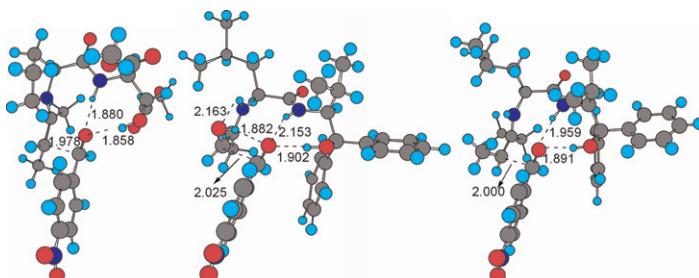
A simple preparation of D-alloisoleucine from L-isoleucine via acetylation and separation of the ammonium salts pp 1285–1287

Tatsuo Yajima *, Takao Horikawa, Nobuhiro Takeda,
Eri Takemura, Hiroaki Hattori, Yuichi Shimazaki,
Tadashi Shiraiwa



Theoretical studies of stereoselectivities in the direct *anti*- and *syn*-aldol reactions catalyzed by different amino acid derivatives pp 1288–1296

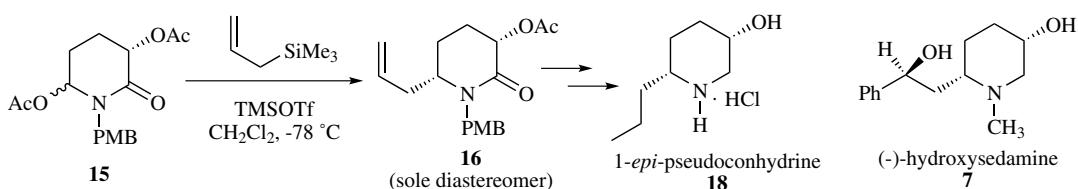
Aiping Fu *, Hongliang Li, Fenghui Tian, Shuping Yuan, Hongzong Si, Yunbo Duan



ARTICLES

Asymmetric syntheses of (−)-*epi*-pseudoconhydrine and (−)-5-hydroxysedamine based on a *cis*-diastereoselective 1,4-asymmetric induction pp 1297–1303

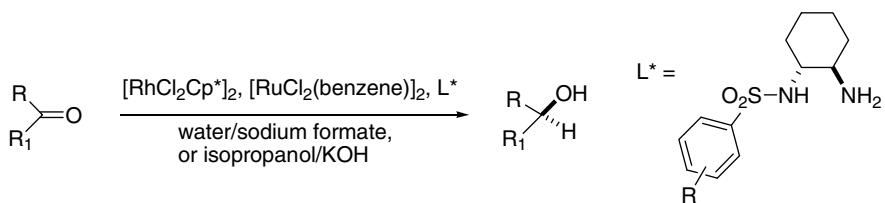
Gang Liu, Jie Meng, Chen-Guo Feng, Pei-Qiang Huang *



Ruthenium(II) and rhodium(III) catalyzed asymmetric transfer hydrogenation (ATH) of acetophenone in isopropanol and in aqueous sodium formate using new chiral substituted aromatic monosulfonamide ligands derived from (1*R*,2*R*)-diaminocyclohexane

pp 1304–1309

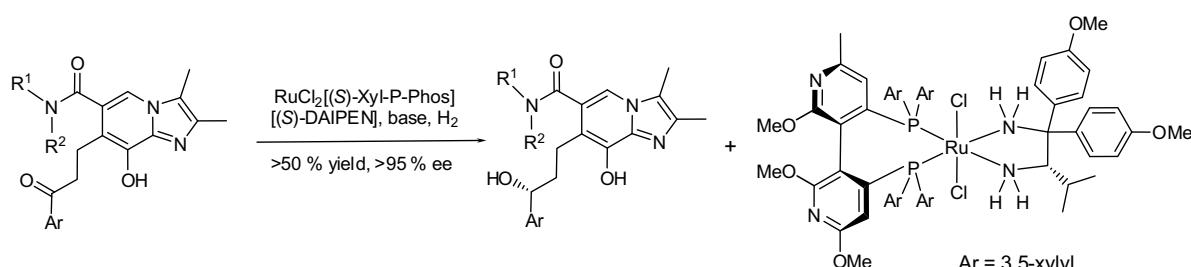
Norma A. Cortez, Gerardo Aguirre, Miguel Parra-Hake, Ratnasamy Somanathan *



Preparation of tricyclic imidazopyridines by asymmetric ketone hydrogenation in the presence of RuCl₂[(S)-Xyl-P-Phos][(S)-DAIPEN]

pp 1310–1327

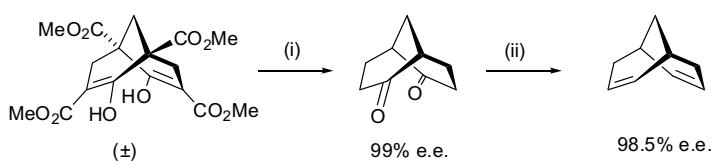
Andreas Marc Palmer *, Antonio Zanotti-Gerosa *, Hans Nedden



Synthesis and rhodium complexation of enantiomerically enriched bicyclo[3.3.1]nona-2,6-diene

pp 1328–1332

Monika Mayr, Carole J. R. Bataille, Silvia Gosiewska, Jevgenij A. Raskatov, John M. Brown *

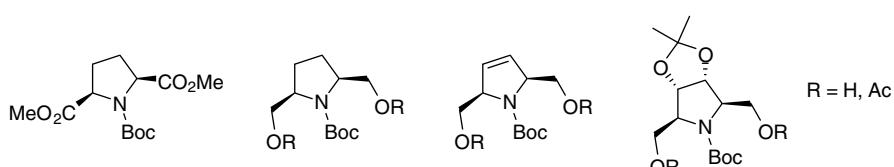


(i) Hydrolysis then yeast kinetic resolution; (ii) 2 PhNNNH₂ then Shapiro reaction

Enzymatic desymmetrization of pyrrolidine and pyrroline derivatives

pp 1333–1338

Robert Chênevert *, Frédéric Jacques, Pascall Giguère, Mohammed Dasser

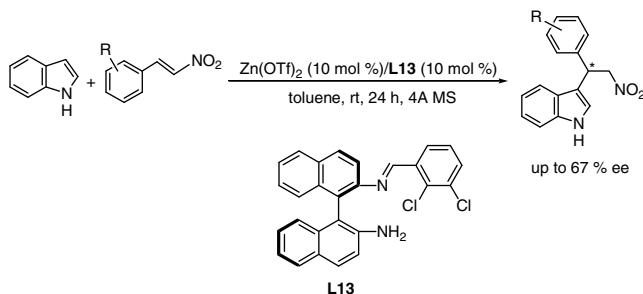


BINAM and H⁸-BINAM-based chiral imines and Zn(OTf)₂-catalyzed enantioselective Friedel-Crafts alkylation of indoles with nitroalkenes

pp 1339–1346

Zhi-Liang Yuan, Zhi-Yu Lei, Min Shi *

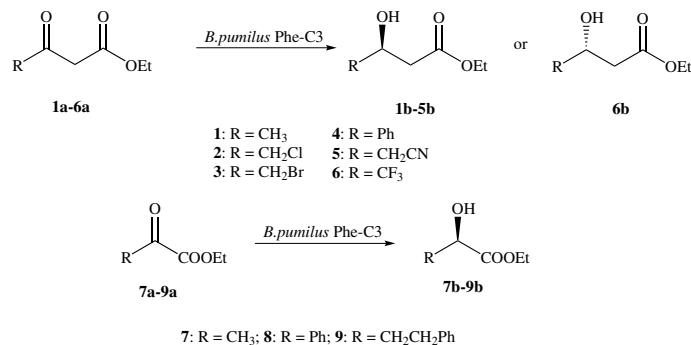
Axially chiral imine ligands derived from (*R*)-BINAM are effective chiral ligands in Zn(OTf)₂-promoted enantioselective Friedel-Crafts alkylation of indoles with nitroalkenes under mild conditions to give the corresponding adducts in good yields and moderate enantioselectivities.



Asymmetric reduction of substituted α - and β -ketoesters by *Bacillus pumilus* Phe-C3

pp 1347–1351

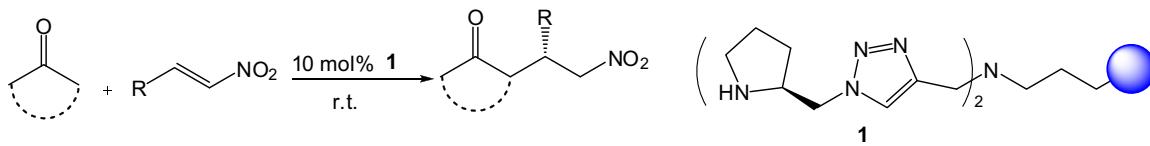
Chunmao He, Dongliang Chang *, Jie Zhang



Silica-supported pyrrolidine-triazole, an insoluble, recyclable organocatalyst for the enantioselective Michael addition of ketones to nitroalkenes

pp 1352–1355

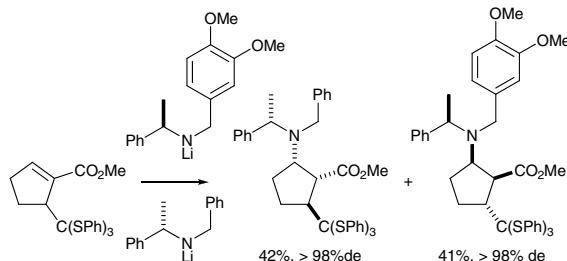
Ya-Bin Zhao, Lin-Wei Zhang, Lu-Yong Wu, Xing Zhong, Rong Li, Jian-Tai Ma *



Parallel kinetic resolution of methyl (*RS*)-5-tris(phenylthio)methyl-cyclopent-1-ene-carboxylate for the asymmetric synthesis of (*1R,2S,5S*)- and (*1S,2R,5R*)-5-methyl-cispentacin

pp 1356–1362

Elin Abraham, Stephen G. Davies *, Alexander J. Docherty, Kenneth B. Ling, Paul M. Roberts, Angela J. Russell, James E. Thomson, Steven M. Toms

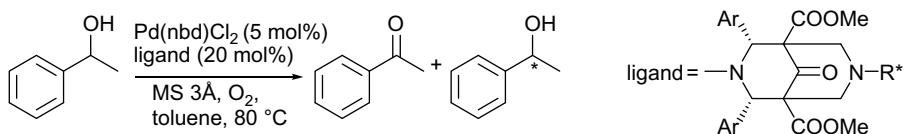


Parallel kinetic resolution of methyl (*RS*)-5-tris(phenylthio)methyl-cyclopent-1-ene-carboxylate with a pseudoenantiomeric mixture of homochiral lithium amides, and subsequent deprotection, gives access to 5-methyl-cispentacin derivatives in >98% de and >98% ee.

New chiral diamino ligands as sparteine analogues. Application to the palladium-catalyzed kinetic oxidative resolution of 1-phenyl ethanol

pp 1363–1366

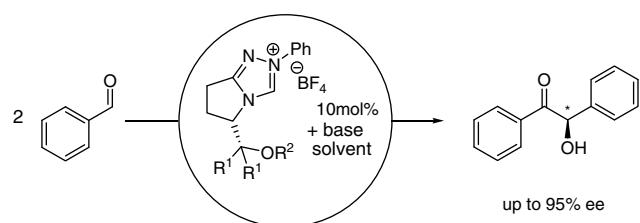
Giordano Lesma, Tullio Pilati, Alessandro Sacchetti *, Alessandra Silvani



Synthesis of enantiopure triazolium salts from pyroglutamic acid and their evaluation in the benzoin condensation

pp 1367–1371

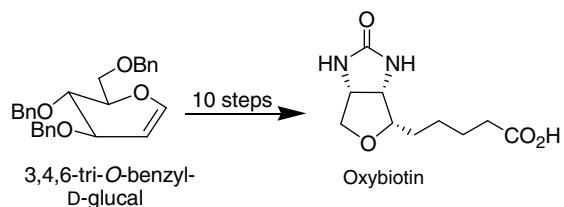
Dieter Enders *, Jianwei Han



A versatile route for the stereoselective synthesis of oxybiotin

pp 1372–1375

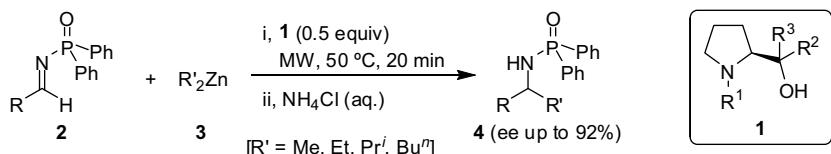
Lingala Vijaya Raghava Reddy, Golla Narayana Swamy, Arun K. Shaw *



Microwave-accelerated enantioselective addition of dialkylzinc reagents to *N*-(diphenylphosphinoyl)imines catalysed by β-aminoalcohols with the prolinol skeleton

pp 1376–1380

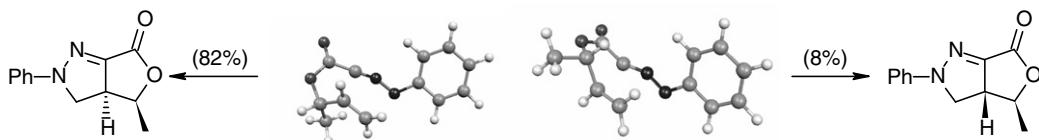
Raquel Almansa, David Guijarro *, Miguel Yus *



Enantiopure furo[3,4-c]pyrazole derivatives by intramolecular nitrilimine cycloaddition: a stereoselectivity rationale

pp 1381–1384

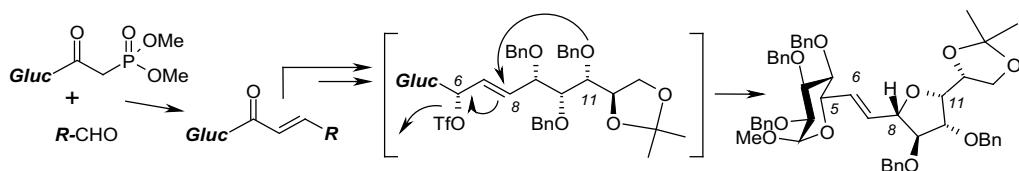
Giorgio Molteni *, Alessandro Ponti



Synthesis of higher carbon sugars. Unexpected rearrangement of higher sugar allylic alcohols

pp 1385–1391

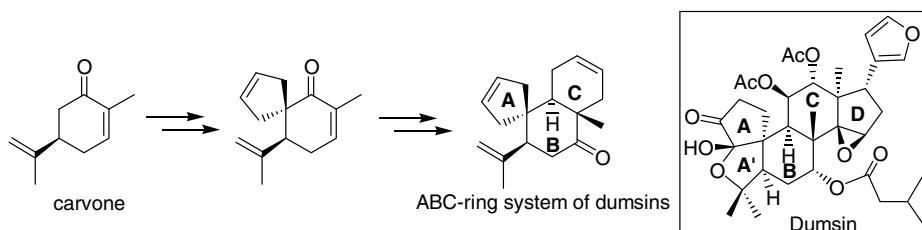
Slawomir Jarosz *, Agnieszka Gajewska, Roman Luboradzki



A rapid and efficient enantiospecific synthesis of the functionalized ABC-ring system of tetranortriterpene dumsins and their analogues

pp 1392–1396

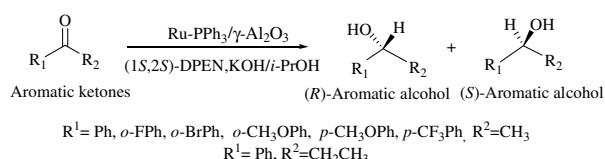
Adusumilli Srikrishna *, Vijendra H. Pardeshi, Pinnu Thriveni



Asymmetric hydrogenation of aromatic ketones catalyzed by (1*S*,2*S*)-DPEN-modified Ru-PPh₃/γ-Al₂O₃ catalyst

pp 1397–1401

Bo Tang, Wei Xiong *, De-Rong Liu, Yun Jia, Jin-Bo Wang, Hua Chen, Xian-Jun Li



OTHER CONTENTS

Stereochemistry abstracts
Cumulative author index

pp A281–A308
pp I–IV

*Corresponding author

Available online at www.sciencedirect.com



Indexed/Abstracted in: Beilstein, BIOSIS Previews, Chemical Abstracts, Current Contents: Physical, Chemical and Earth Sciences, Derwent Biotechnology Abstracts, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®



ISSN 0957-4166