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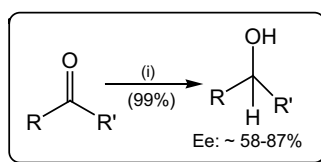
Publisher's Announcement—Tetrahedron Prize for Creativity in Organic Chemistry for 2004

p 749

COMMUNICATIONS

Enantioselective reduction of ketones with NaBH₄/diglyme possibly catalysed by trialkyl borate: optically active *sec*-alcohols from prochiral ketones with catalytic (–)-menthol: autocatalysis option
 Sosale Chandrasekhar* and Raghunandan Hota

pp 751–754

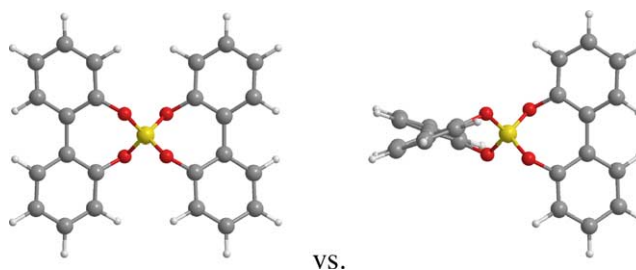


(i) NaBH₄ (1.3 eq.)/(–)-menthol (0.05 eq.)/diglyme/N₂/25 °C/24-40 h;
 R/R' = aryl/Me (4 cases), hexyl/Me, α-tetralone

Effect of fluoro substituents and central atom nature on chiral derivatives of bisdiphenylborates and isoelectronic structures

pp 755–760

Ibon Alkorta,* Óscar Picazo and José Elguero

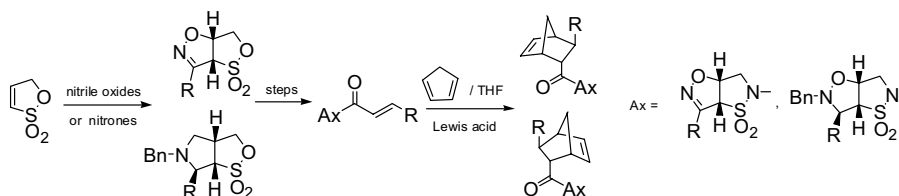


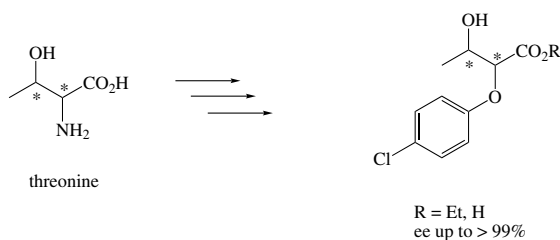
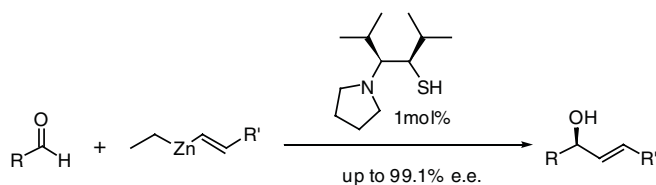
ARTICLES

Synthesis of chiral sultams and their application as chiral auxiliaries in an asymmetric Diels–Alder reaction

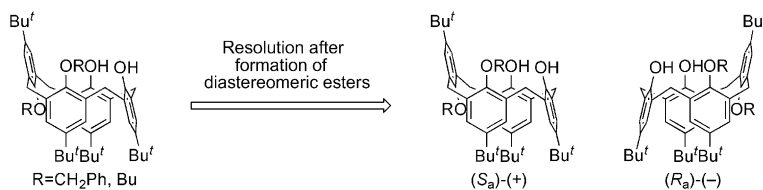
pp 761–771

Hong-Kui Zhang, Wing-Hong Chan,* Albert W. M. Lee, Wai-Yeung Wong and Ping-Fang Xia

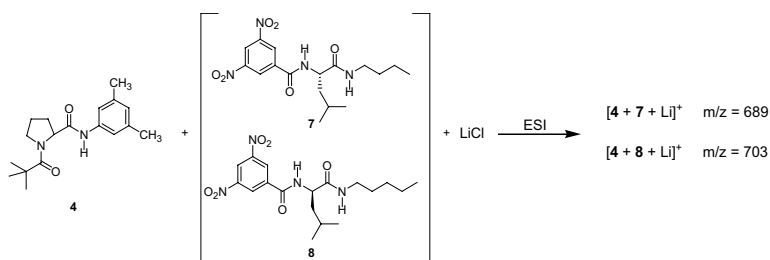




Fumitaka Narumi,* Tetsutaro Hattori,* Waka Yamabuki, Chizuko Kabuto and Hiroshi Kameyama



Michael E. Koscho,* ChengLi Zu and Bobby N. Brewer

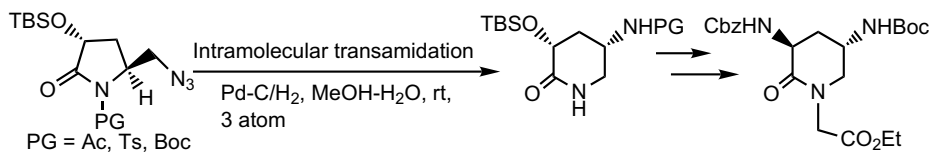


Relative intensities are dependent on the enantiomeric composition of analyte 4.

Synthesis of (3*S*,5*S*)-3,5-diaminopiperidin-2-one as a conformationally restricted surrogate of Dab-Gly dipeptide

pp 809–815

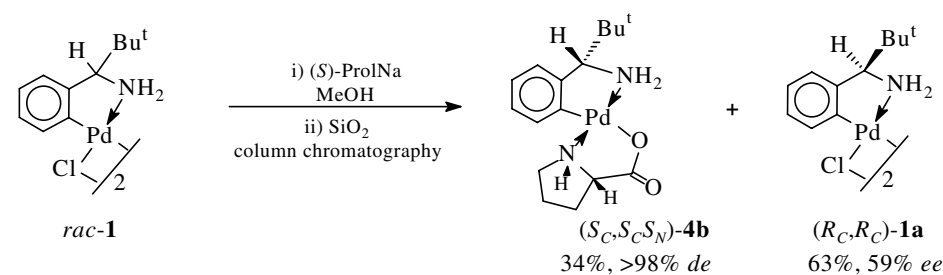
Ken-ichi Tanaka,* Harumitsu Nemoto and Hiroyuki Sawanishi



New principle for palladacycle resolution: diastereoselective monomer to dimer conversion

pp 817–826

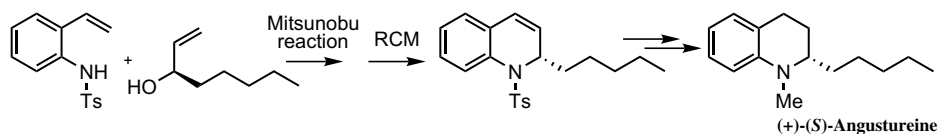
Valery V. Dunina,* Elena D. Razmyslova, Ol'ga N. Gorunova,
Michail V. Livantsov and Yuri K. Grishin



Total synthesis of (+)-(*S*)-angustureine and the determination of the absolute configuration of the natural product angustureine

pp 827–831

Chumpol Theeraladanon, Mitsuhiro Arisawa,* Masako Nakagawa and Atsushi Nishida*

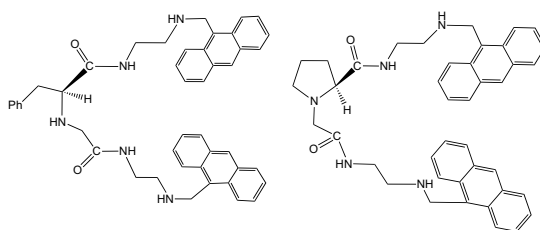


The total synthesis of (+)-(*S*)-angustureine and a determination of the absolute configuration of the natural product angustureine were achieved using ring-closing metathesis (RCM) and the Mitsunobu reaction as key steps.

Synthesis and chiral recognition of novel chiral fluorescence receptors bearing 9-anthryl moieties

pp 833–839

Kuo-Xi Xu, Xiao-Jun Wu, Yong-Bing He,* Shun-Ying Liu, Guang-Yan Qing and Ling-Zhi Meng

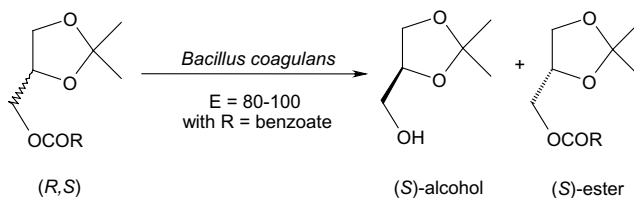


Two novel chiral fluorescence receptors bearing anthracene were synthesized. The receptors exhibit good chiral recognition ability towards the enantiomers of tetrabutylammonium mandelate.

Enhanced enantioselectivity of *Bacillus coagulans* in the hydrolysis of 1,2-*O*-isopropylidene glycerol esters by thermal knock-out of undesired enzymes

pp 841–845

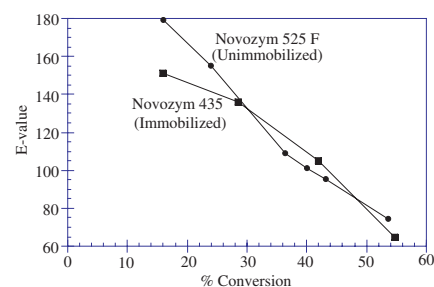
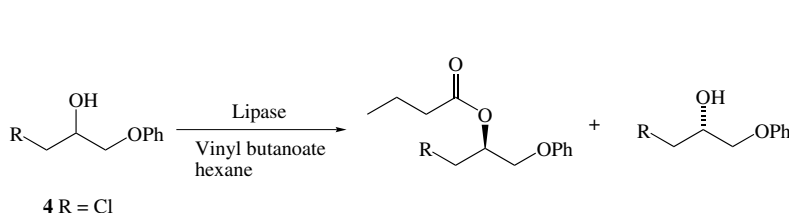
Diego Romano, Francesco Falcioni, Diego Mora, Francesco Molinari,*
Andreas Buthe and Marion Ansorge-Schumacher



Immobilization does not influence the enantioselectivity of CAL-B catalyzed kinetic resolution of secondary alcohols

pp 847–850

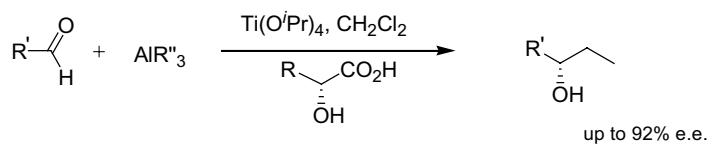
Elisabeth Egholm Jacobsen, Liv Siri Andresen and Thorleif Anthonsen*



α -Hydroxy carboxylic acids as ligands for enantioselective addition reactions of organoaluminum reagents to aromatic and aliphatic aldehydes

pp 851–855

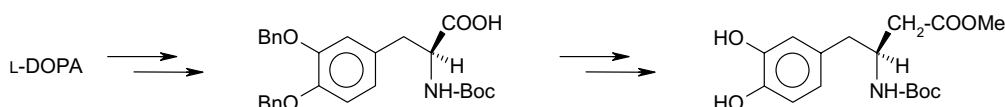
Tomasz Bauer* and Joanna Gajewiak



Synthesis of terminally protected (*S*)- β^3 -H-DOPA by Arndt–Eistert homologation: an approach to crowned β -peptides

pp 857–864

Anne Gaucher, Laurence Dutot, Olivier Barbeau, Wahib Hamchaoui, Michel Wakselman
and Jean-Paul Mazaleyrat*

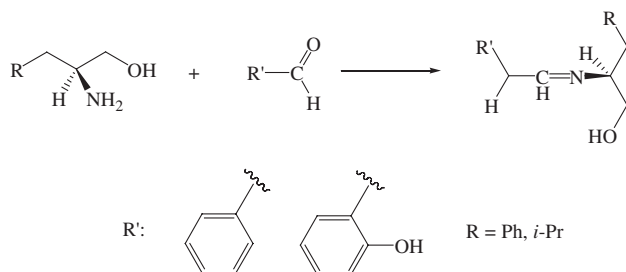


Terminally protected Boc-(*S*)- β^3 -H-DOPA-OMe has been synthesized from L-DOPA by the Arndt–Eistert homologation procedure. During the synthesis, the side-chain catechol group was temporarily protected by benzylation.

Asymmetric reduction of acetophenone using lithium aluminium hydride modified with some novel amino alcohol Schiff bases

pp 865–868

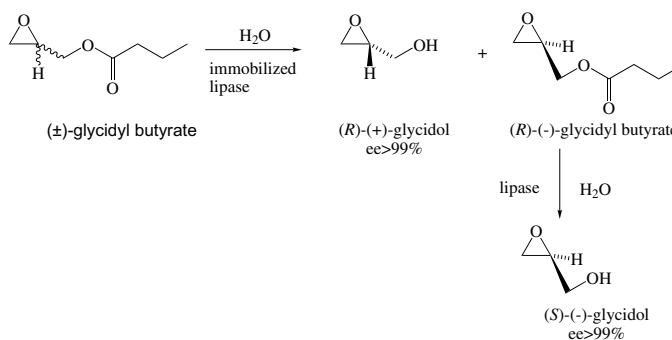
Recep Tümerdem,* Giray Topal and Yılmaz Turgut



Synthesis of enantiomerically pure glycidol via a fully enantioselective lipase-catalyzed resolution

pp 869–874

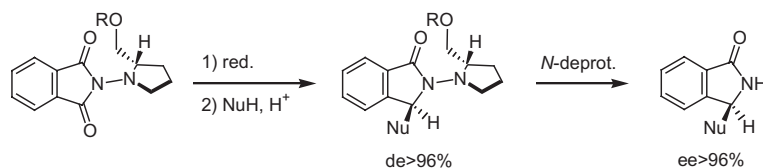
Jose M. Palomo, Rosa L. Segura, Cesar Mateo, Marco Terreni, José M. Guisan* and Roberto Fernández-Lafuente*



Asymmetric synthesis of 3-hetero-substituted 2,3-dihydro-1*H*-isoindol-1-ones

pp 875–881

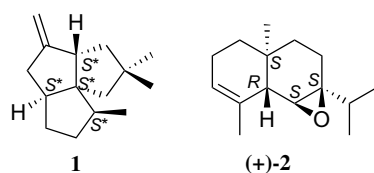
Eric Deniau,* Dieter Enders, Axel Couture and Pierre Grandclaude



Sesquiterpene constituents of the liverwort *Lophozia ventricosa*

pp 883–887

Runhua Lu, Claudia Paul,* Simla Basar and Wilfried A. König^{xx}

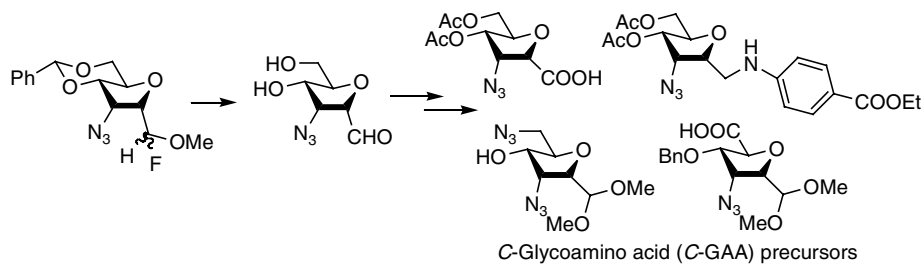


Source: Hepaticae (liverworts)
Relative configuration 1: 4*S**, 5*S**, 8*S**, 9*S**
Absolute configuration 2: 5*R*, 6*S*, 7*S*, 10*S*

Efficient synthesis of multifunctional furanoid C-glycoamino acid precursors

pp 889–897

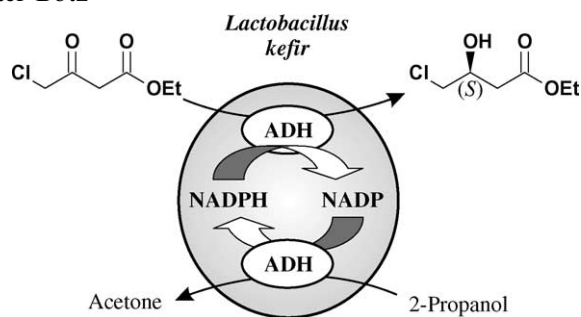
Yolanda Vera-Ayoso, Pastora Borrachero, Francisca Cabrera-Escribano* and Manuel Gómez-Guillén



Asymmetric synthesis of the chiral synthon ethyl (S)-4-chloro-3-hydroxybutanoate using *Lactobacillus kefir*

pp 899–901

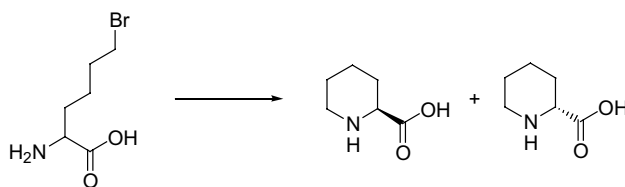
Maya Amidjojo and Dirk Weuster-Botz*



An efficient access to both enantiomers of pipercolic acid

pp 903–908

Louis A. Watanabe, Saori Haranaka, Binoy Jose, Minoru Yoshida, Tamaki Kato, Mitsuaki Moriguchi, Kenji Soda and Norikazu Nishino*



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*Corresponding author



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