

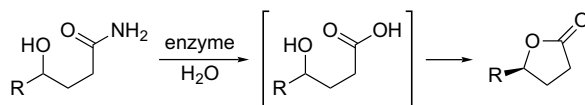
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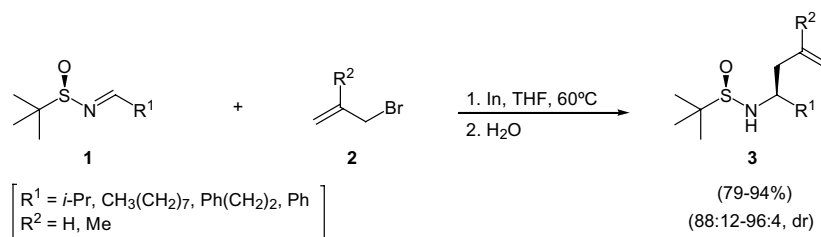
Stephen K. Taylor,* Carrie R. Arnold, Aaron T. Gerds, Nathan D. Ide, Keri M. Law, Dale L. Kling, Matthew G. Pridgeon, Lloyd J. Simons, James R. Vyvyan, Jennifer S. Yamaoka, Min-Ken Liao and Thomas E. Goyne



An enzyme was expressed in *E. coli* from a cloned amidase gene. When characterized, it was more enantioselective than commercial amidases. Three pheromones were made.

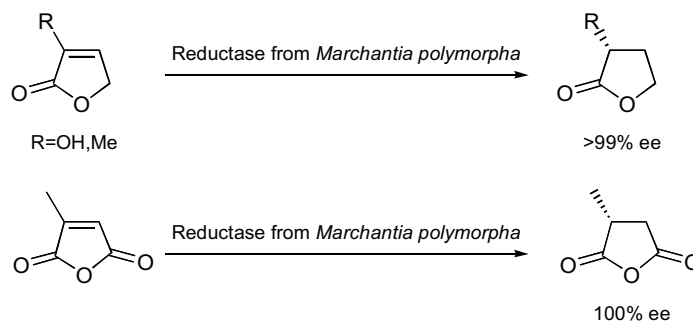
Indium-mediated diastereoselective addition of allyl bromides to enantiomerically pure *N*-*tert*-butylsulfinyl aldimines pp 3823–3825

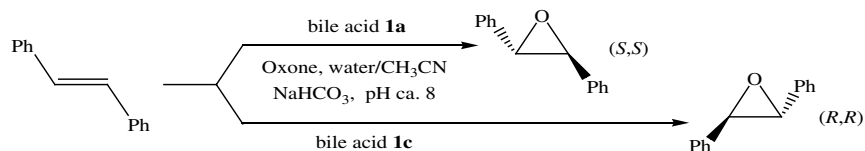
Francisco Foubelo* and Miguel Yus



Asymmetric reduction of 2-substituted 2-butenolides with reductase from *Marchantia polymorpha* pp 3827–3829

Kei Shimoda* and Naoji Kubota

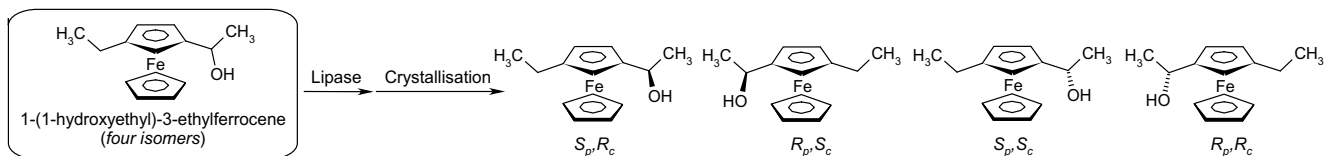




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Biocatalytic procedure for obtaining all four diastereoisomers of 1-(1-hydroxyethyl)-3-ethylferrocene: pp 3835–3840
 synthons for chiral 1,3-disubstituted ferrocenes

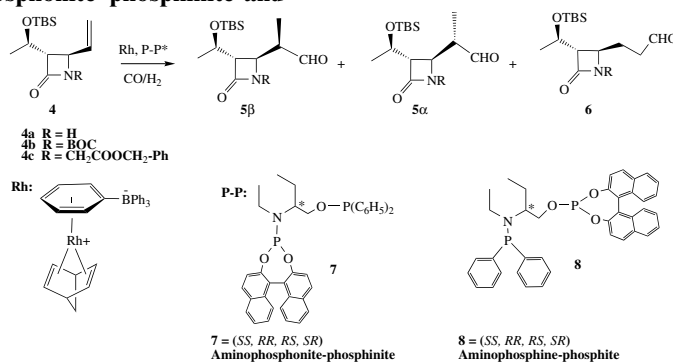
Nicola D'Antona, Daniela Lambusta, Raffaele Morrone, Giovanni Nicolosi* and Francesco Secundo



Stereoselective synthesis of 1-methylcarbapenam precursors: studies on the diastereoselective hydroformylation of 4-vinyl β -lactam with aminophosphonite–phosphinite and aminophosphine–phosphite rhodium(I) complexes

pp 3841–3845

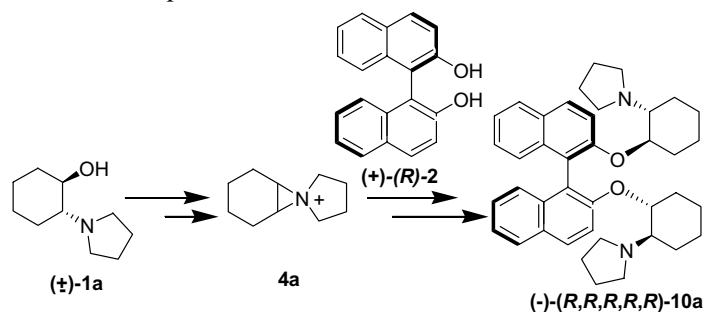
Edoardo Cesarotti* and Isabella Rimoldi



Synthesis of new chiral amino ether derivatives: synthetic application of *meso* aziridinium ions prepared from β -amino alcohols

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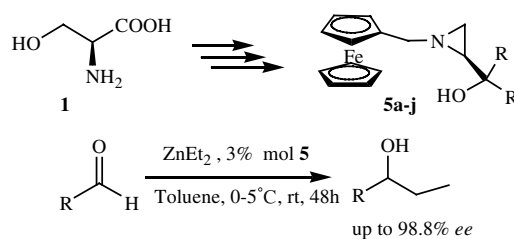
Mariappan Periasamy,* Muthu Seenivasaperumal and Vutukuri Dharma Rao



Synthesis of chiral ferrocenyl aziridino alcohols and use in the catalytic asymmetric addition of diethylzinc to aldehydes

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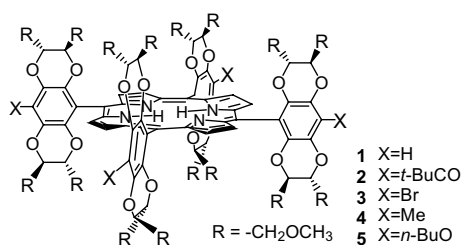
Min-Can Wang,* Lan-Tao Liu, Jun-Song Zhang, Yan-Yan Shi and De-Kun Wang



Electronic effects on enantioselectivity in epoxidation catalyzed by *D*₄-symmetric chiral porphyrins

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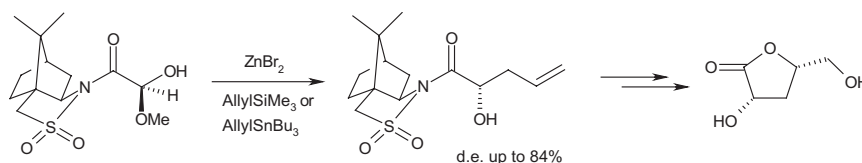
Hiroshi Nakagawa, Yoshihisa Sei, Kentaro Yamaguchi, Tetsuo Nagano and Tsunehiko Higuchi*



Diastereoselective allylation of *N*-glyoxyloyl-(2*R*)-bornane-10,2-sultam and (1*R*)-8-phenylmenthyl glyoxylate: synthesis of (2*S*,4*S*)-2-hydroxy-4-hydroxymethyl-4-butanolide

pp 3869–3878

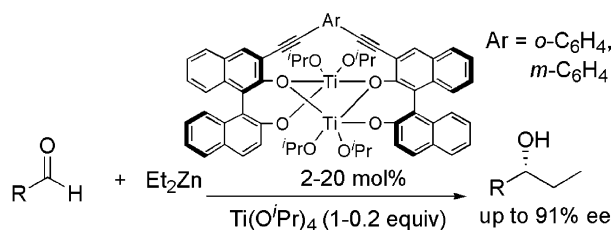
Katarzyna Kiegiel, Tomasz Bałakier, Piotr Kwiatkowski and Janusz Jurczak*



Asymmetric alkylation of aldehydes catalyzed by novel dinuclear bis-BINOLate titanium(IV) complexes

pp 3879–3883

Toshiro Harada,* Kousou Kanda, Yuuki Hiraoka, Yasuhisa Marutani and Masashi Nakatsugawa

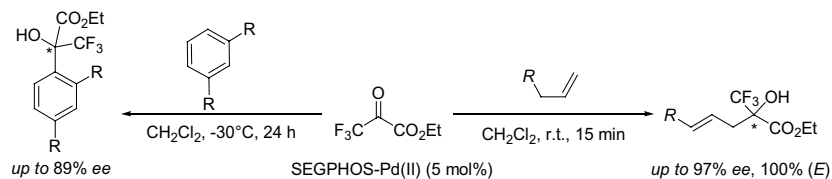


Dinuclear bis-BINOLate titanium(IV) complexes catalyze asymmetric alkylation of aldehydes even in the presence of a reduced amount of titanium tetraisopropoxide (0.2 equiv).

Enantioselective catalysis of carbonyl-ene and Friedel–Crafts reactions with trifluoropyruvate by ‘naked’ palladium(II) complexes with SEGPHOS ligands

pp 3885–3889

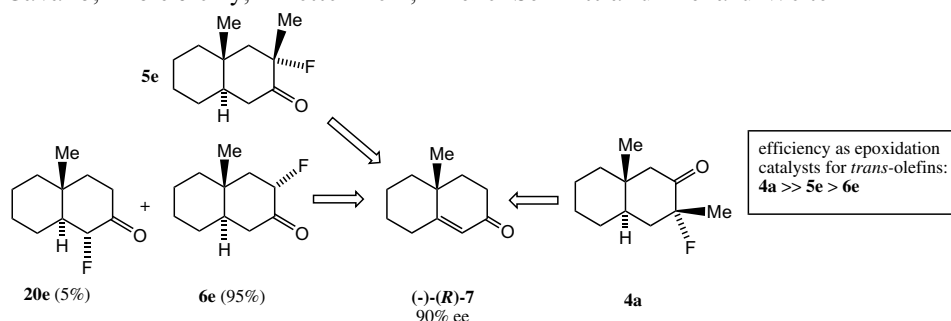
Koichi Mikami,* Kohsuke Aikawa, Satoshi Kainuma, Yuji Kawakami, Takao Saito, Noboru Sayo and Hidenori Kumobayashi



α -Fluoro decalones as chiral epoxidation catalysts: fluorine effect

pp 3891–3898

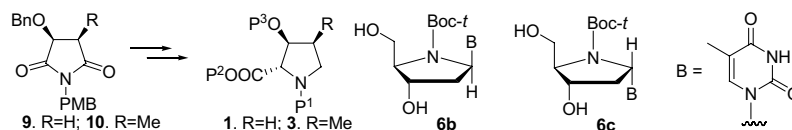
Arlette Solladié-Cavallo,* Loïc Jierry, Arlette Klein, Michel Schmitt and Richard Welter



Asymmetric syntheses of protected (2*S*,3*S*,4*S*)-3-hydroxy-4-methylproline and 4'-*tert*-butoxyamido-2'-deoxythymidine

pp 3899–3910

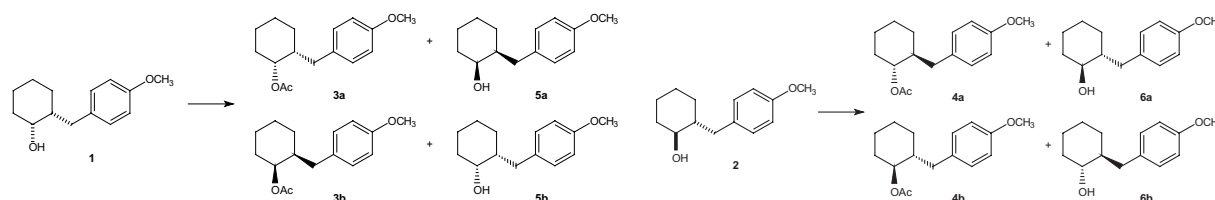
Wei-Hua Meng, Tian-Jun Wu, Hong-Kui Zhang and Pei-Qiang Huang*



Enzymic resolution of 2-substituted cyclohexanols through lipase-mediated esterification

pp 3911–3917

Zdeněk Wimmer,* Vasso Skouridou, Marie Zarevúcka, David Šaman and Fragiskos N. Kolisis

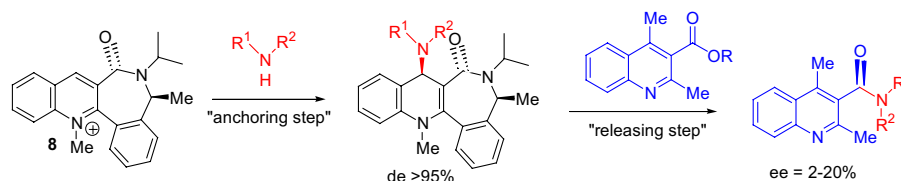


Several lipases were used for the kinetic resolution of the racemic *cis*- and *trans*-isomers of 2-(4-methoxybenzyl)cyclohexanol, by lipase-mediated esterification of the substrates to the corresponding acetate isomers. Lipase from *Rhizomucor miehei* was found to be the most efficient enzyme regarding enantiomeric excess (ee) and yield of the desired products.

Preparation of axially chiral quinolinium salts related to NAD⁺ models: new investigations of these biomimetic models as 'chiral amide-transferring agents'

pp 3919–3928

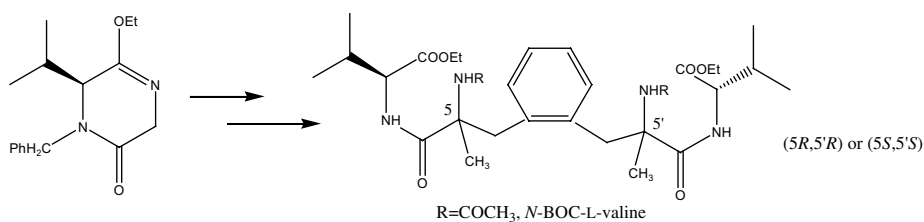
Stéphane Leleu, Cyril Papamicaël, Francis Marsais, Georges Dupas and Vincent Levacher*



Stereoselective synthesis of pseudotriptides incorporating uncommon bis- α -amino acid derivatives and X-ray analysis. Part 3

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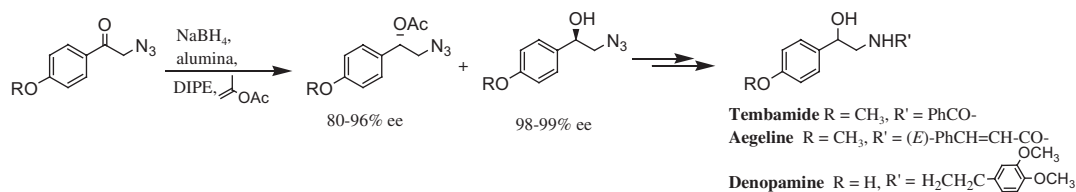
D. Balducci, A. Grandi, G. Porzi,* P. Sabatino and S. Sandri*



Chemoenzymatic synthesis of (*R*)- and (*S*)-tembamide, aegeline and denopamine by a one-pot lipase resolution protocol

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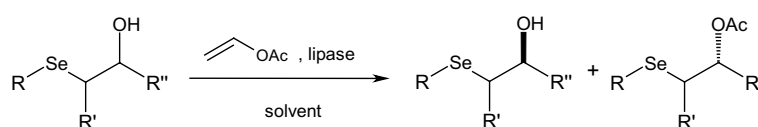
Ahmed Kamal,* Ahmad Ali Shaik, Mahendra Sandbhor and M. Shaheer Malik



Enzymatic resolution of (*RS*)- β -hydroxy selenides in organic media

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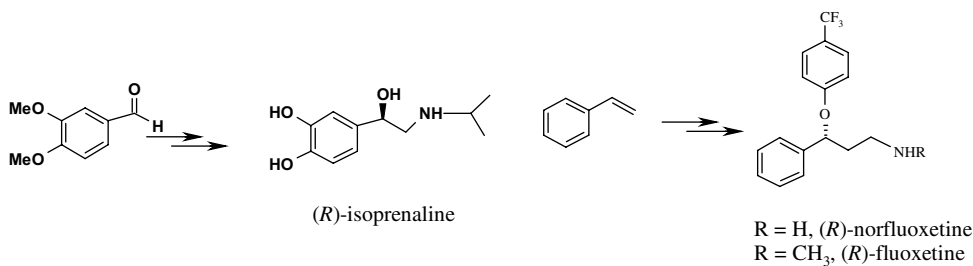
Carlos E. Costa,* Giuliano C. Clososki, Henrique B. Barchesi, Sandra P. Zanotto, M. Graça Nascimento and João V. Comasseto*



Asymmetric dihydroxylation route to (*R*)-isoprenaline, (*R*)-norfluoxetine and (*R*)-fluoxetine

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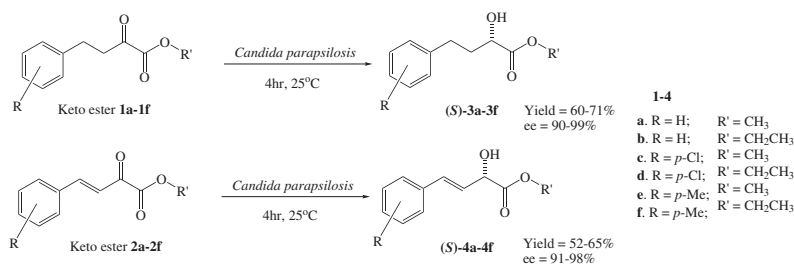
Pradeep Kumar,* Rajesh Kumar Upadhyay and Rajesh Kumar Pandey



Asymmetric reduction of alkyl 2-oxo-4-arylbutanoates and -but-3-enoates by *Candida parapsilosis* ATCC 7330: assignment of the absolute configuration of ethyl 2-hydroxy-4-(*p*-methylphenyl)but-3-enoate by ¹H NMR

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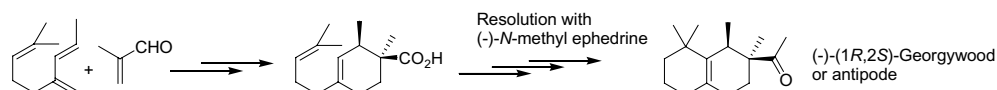
Baburaj Baskar, N. Ganesh Pandian, Kuttikode Priya and Anju Chadha*



Synthesis and olfactory properties of (–)-(1*R*,2*S*)-Georgywood

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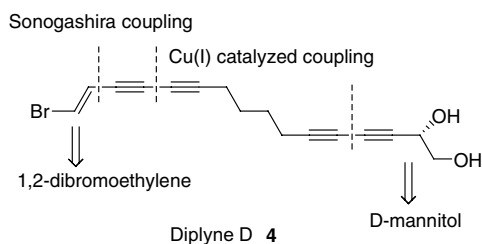
Georg Fráter,* Urs Müller and Fridtjof Schröder



First total synthesis of the brominated polyacetylenes (+)-diplyne A and D: proof of absolute configuration

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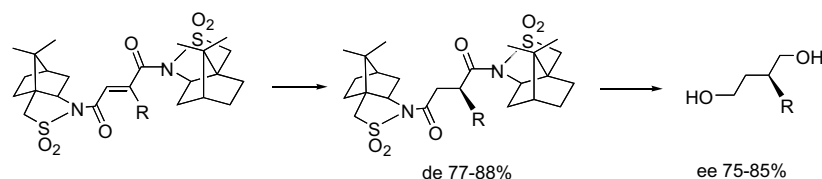
Benjamin W. Gung,* Craig Gibeau and Amanda Jones



Asymmetric synthesis of 2-substituted butane-1,4-diols by hydrogenation of homo-chiral fumaramide derivatives

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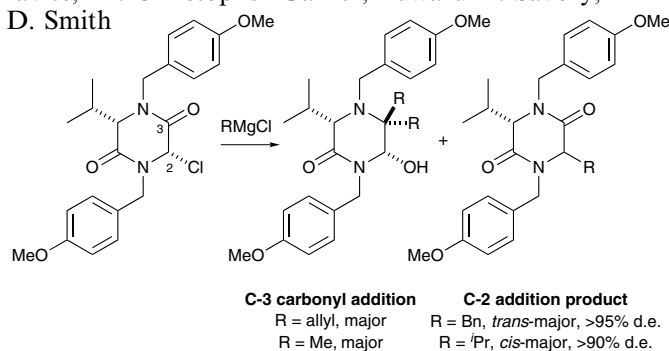
Samaila Jawaid, Louis J. Farrugia and David J. Robins*



2-Halo-diketopiperazines as chiral glycine cation equivalents

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Steven D. Bull, Stephen G. Davies,* A. Christopher Garner, Edward D. Savory, Emma J. Snow and Andrew D. Smith



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*Corresponding author



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