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An efficient asymmetric synthesis of furofuran lignans: (+)-sesamin and (–)-sesamin

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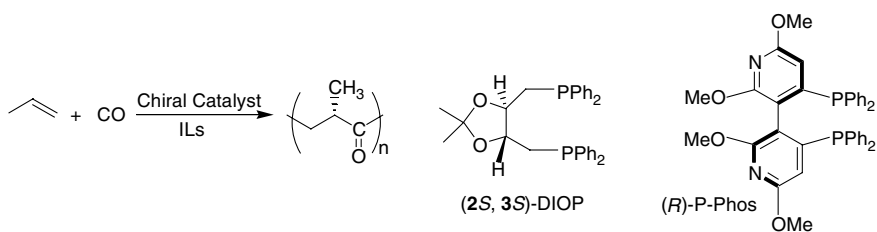
Ju-Cheun Kim, Kwang-Hyun Kim, Jae-Chul Jung and Oee-Sook Park*



Pd-catalyzed asymmetric alternating co-polymerization of propene with carbon monoxide using ionic liquids

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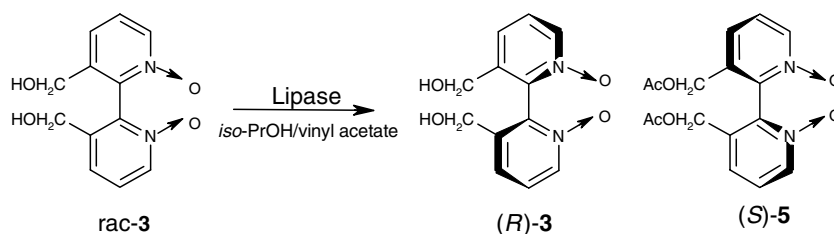
Hai-Jun Wang, Lai-Lai Wang,* Wing-Sze Lam, Wing-Yiu Yu and Albert S. C. Chan*



Lipase-catalysed resolution by an esterification reaction in organic solvent of axially chiral (±)-3,3'-bis(hydroxymethyl)-2,2'-bipyridine *N,N*-dioxide

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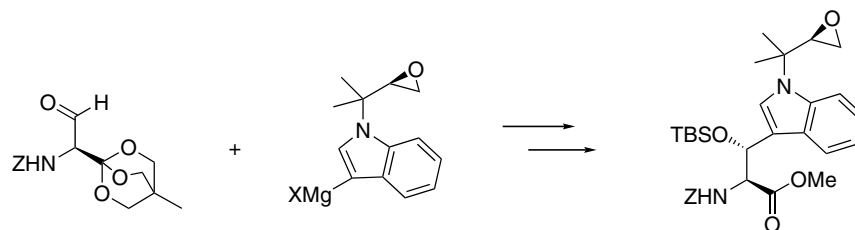
Claudia Sanfilippo,* Nicola D'Antona and Giovanni Nicolosi



A stereoselective synthetic approach to (2*S*,3*R*)-*N*-(1',1'-dimethyl-2',3'-epoxypropyl)-3-hydroxytryptophan, a component of cyclomarlin A

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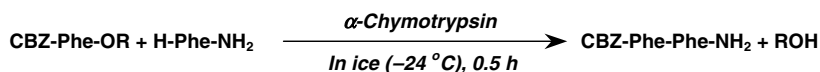
Darren B. Hansen, Alan S. Lewis, Steven J. Gavalas and Madeleine M. Joullié*



α -Chymotrypsin-catalyzed peptide synthesis in frozen aqueous solution using *N*-protected amino acid carbamoylmethyl esters as acyl donors

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Sayed Mohiuddin Abdus Salam, Ken-ichi Kagawa and Katsuhiro Kawashiro*

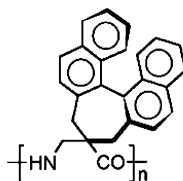
Peptide yield: R = CH₂CH₃, 67 %; R = CH₂CF₃, 48%;R = CH₂CN, 87 %; R = Cam (CH₂CONH₂), 88%.

In the α -chymotrypsin-catalyzed peptide synthesis in ice (-24°C), the carbamoylmethyl (Cam) ester was found to be a useful acyl donor. This approach was also applied to the synthesis of peptides containing *D*-amino acids. A high diastereoselectivity towards the *L*-*L* peptide was observed when the racemic Cam ester was used.

Synthesis of linear and cyclic homo- β -peptides based on a binaphthyl β -amino acid with only axial chirality

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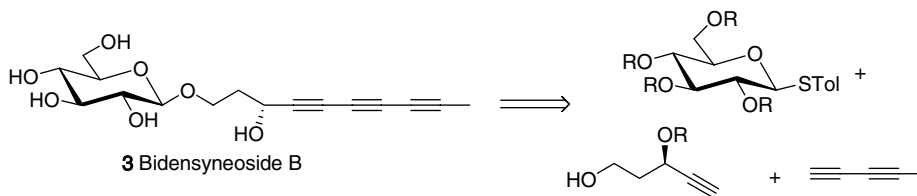
Anne Gaucher, Laurence Dutot, Olivier Barbeau, Michel Wakselman, Jean-Paul Mazaleyrat,* Cristina Peggion, Simona Oancea, Fernando Formaggio, Marco Crisma and Claudio Toniolo



Total synthesis of two naturally occurring polyacetylenic glucosides (–)-bidensyneoside A1 and B, and an analogue of (–)-bidensyneoside C

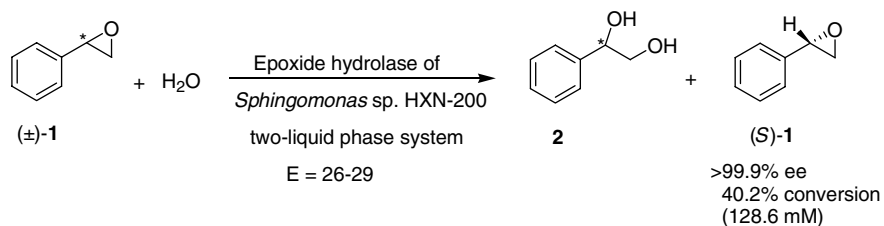
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Benjamin W. Gung,* Ryan M. Fox, Robert Falconer and Daniel Shissler



Enantioselective hydrolysis of styrene oxide with the epoxide hydrolase of *Sphingomonas* sp. HXN-200
Zeya Liu, Johannes Michel, Zunsheng Wang, Bernard Witholt and Zhi Li*

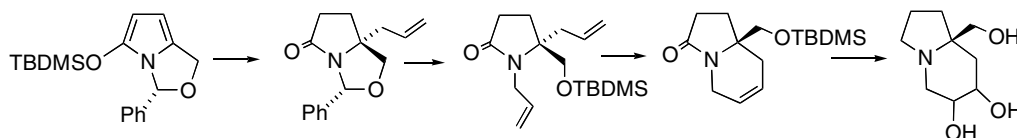
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Creation of quaternary stereocentres: synthesis of new polyhydroxylated indolizidines

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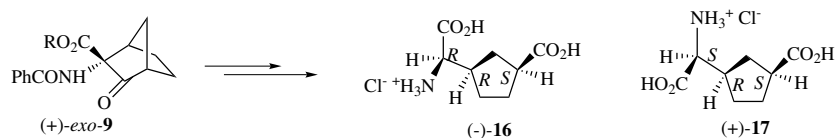
Nicole Langlois,* Bao Khanh Le Nguyen, Pascal Retailleau, Céline Tarnus and Emmanuel Salomon



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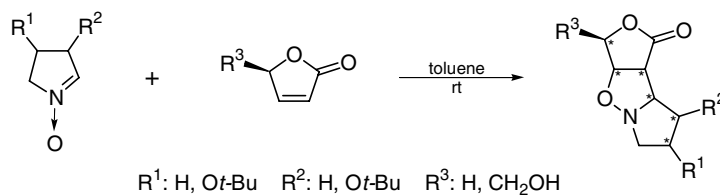
Francesco Caputo, Francesca Clerici, Maria Luisa Gelmi, Sara Pellegrino* and Tullio Pilati



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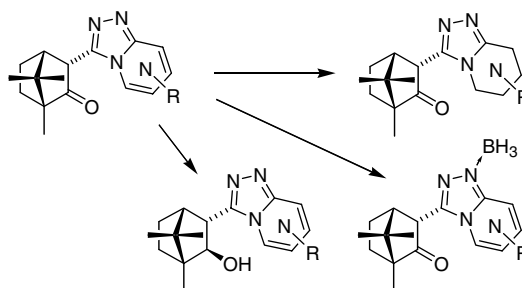
Sebastian Stecko, Konrad Pańniczek, Margarita Jurczak, Zofia Urbańczyk-Lipkowska and Marek Chmielewski*



Reductions of (1*R*,3*R*,4*R*)-3-([1,2,4]triazolo[4,3-*x*]azin-3-yl)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-ones and their analogues

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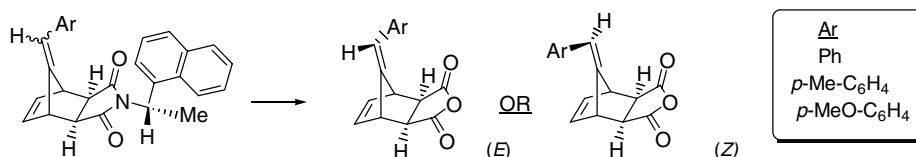
Uroš Grošelj, David Bevk, Renata Jakše, Anton Meden, Branko Stanovnik and Jurij Svete*



cis–*trans* Enantiomerism in the Diels–Alder cycloadducts of 6-arylfulvenes with maleic anhydride: resolution of the *exo* adducts via the *N*-((1*S*)-1-(naphth-1-yl)ethyl)imide derivatives: assignment of the absolute configurations based on the crystal structure of an imide diastereomer

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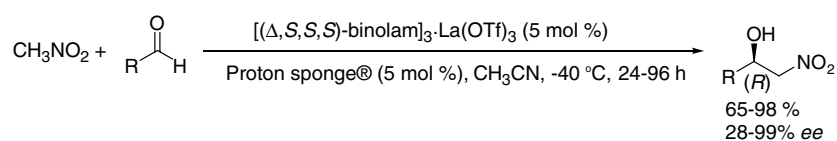
Sosale Chandrasekhar* and Suresh Kumar Gorla



Chiral monometallic lanthanide(III) salt complexes are arrayed acid–base networks for enantioselective catalysis: a direct, nitroaldol (Henry) reaction

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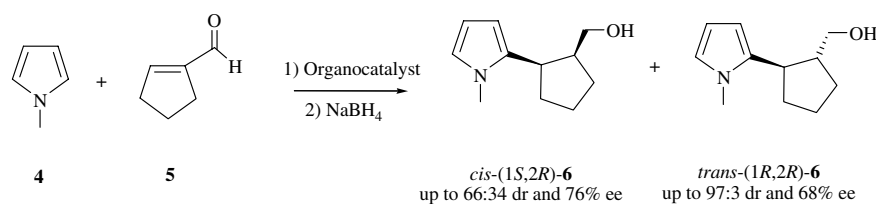
José M. Saá,* Fernando Tur, José González and Manuel Vega



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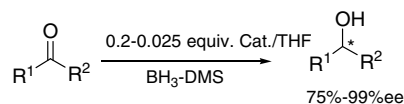
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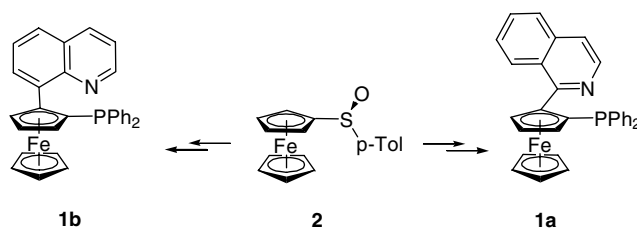
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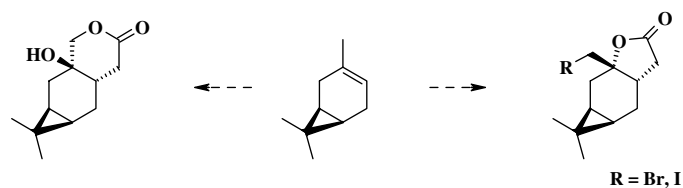
Ralf J. Klotzing and Paul Knochel*



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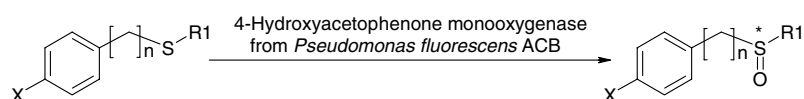
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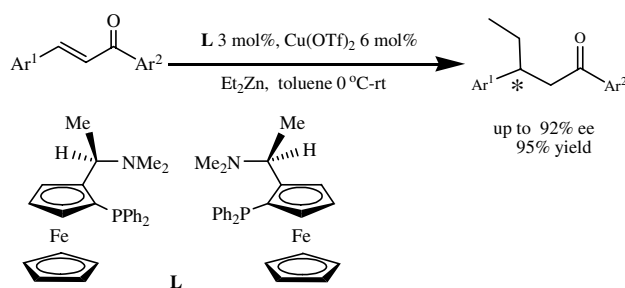
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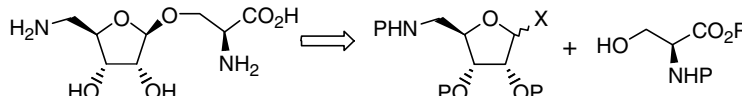
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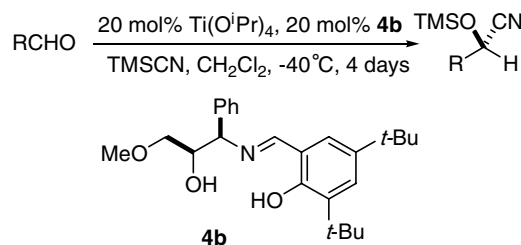
Maryon Ginisty, Christine Gravier-Pelletier* and Yves Le Merrer*



Parallel synthesis of modular chiral Schiff base ligands and evaluation in the titanium(IV) catalyzed asymmetric trimethylsilylcyanation of aldehydes

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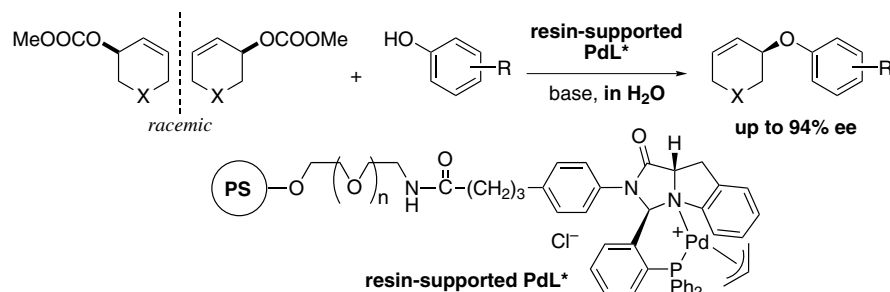
Belén Rodríguez, Mireia Pastó, Ciril Jimeno and Miquel A. Pericàs*



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Yasuhiro Uozumi* and Masahiro Kimura



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*Corresponding author



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