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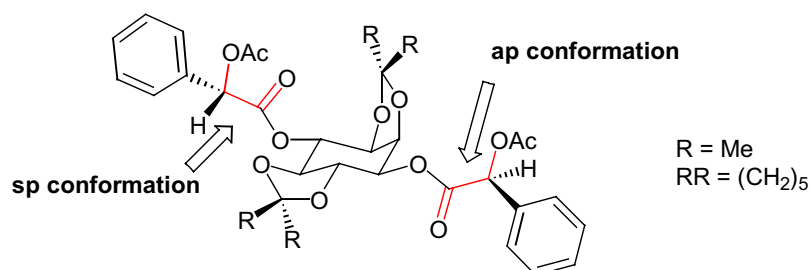
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COMMUNICATIONS

Is *O*-acetylmandelic acid a reliable chiral anisotropy reagent?

pp 3–7

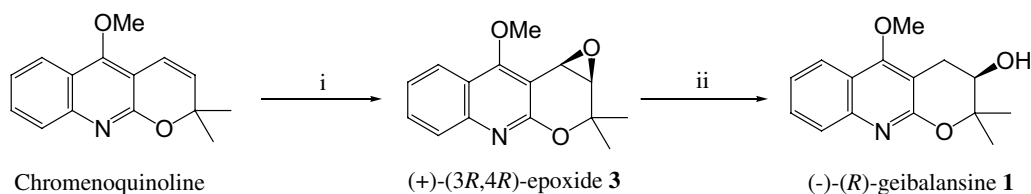
Kana M. Sureshan, Tomomi Miyasou, Minoru Hayashi and Yutaka Watanabe*



First asymmetric total synthesis of (–)-(R)- and (+)-(S)-geibalansine

pp 9–10

Ademir F. Morel* and E. L. Larghi

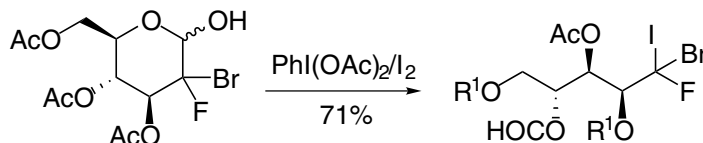


Reagents and conditions: (i) (*R,R*)-SalenMnCl, NaOCl (pH ~ 11), CH₂Cl₂, 6–12 h, 0 °C (90–95% yield, ee >93%); (ii) H₂ (1 atm), Pd/C 10%, MeOH, rt 75% yield.

Fragmentation of carbohydrate anomeric alkoxy radicals: synthesis of chiral 1-bromo-1-fluoro-1-iodo-alditols

pp 11–14

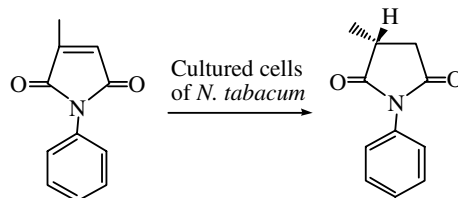
Cosme G. Francisco, Concepción C. González, Alan R. Kennedy, Nieves R. Paz and Ernesto Suárez*



Asymmetric hydrogenation of *N*-substituted maleimides by cultured plant cells

Toshifumi Hirata,* Asuka Takarada, Akihito Matsushima, Yoko Kondo and Hiroki Hamada

pp 15–16

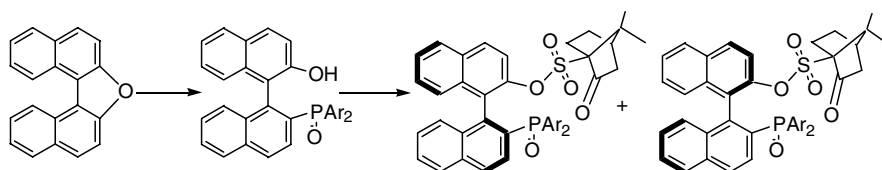


The cultured suspension cells of *Nicotiana tabacum* hydrogenated enantioselectively, the C–C double bond of *N*-phenyl-2-methylmaleimide to give (*R*)-*N*-phenyl-2-methylsuccinimide (99% ee).

A concise synthesis of 2-diarylphosphino-2-methoxy-1,1-binaphthalenes (MOPs) by simple resolution

Yunfei Luo, Feng Wang, Gangguo Zhu and Zhaoguo Zhang*

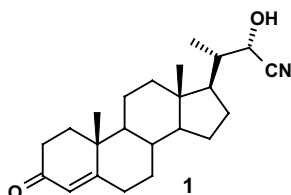
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ARTICLES**The biocatalyzed stereoselective preparation of polycyclic cyanohydrins**

M. Manuel Cruz Silva, M. Luisa Sá e Melo, Marco Parolin, Davide Tessaro, Sergio Riva,* and Bruno Danieli

pp 21–27

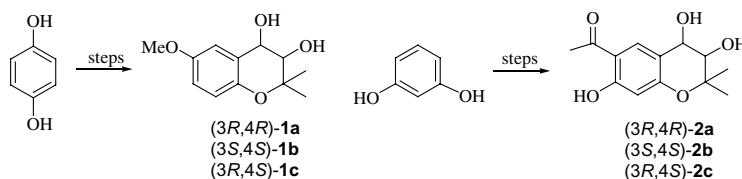


Enantiomerically or diastereomerically enriched polycyclic cyanohydrins (e.g., **1**) have been prepared either by oxynitrilases-catalyzed cyanuration of the corresponding aldehydes or by lipase- and subtilisin-catalyzed acylation of the chemically produced racemic cyanohydrins.

The first asymmetric total synthesis of several 3,4-dihydroxy-2,2-dimethyl-chroman derivatives

Qiaoling Wang, Xuegong She, Xinfeng Ren, Junying Ma and Xinfu Pan*

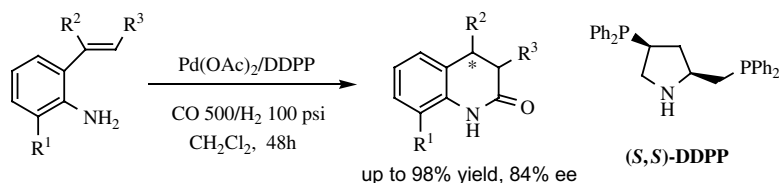
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Enantioselective cyclocarbonylation of 2-vinylanilines to six-membered ring lactams

pp 35–40

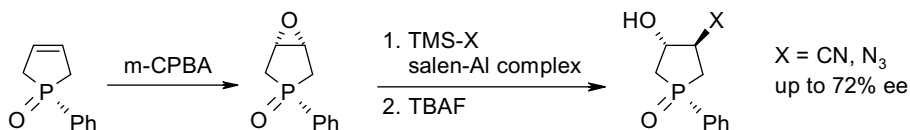
Chune Dong and Howard Alper*



Enantioselective desymmetrization of phospholene *meso*-epoxide by nucleophilic opening of the epoxide

pp 41–45

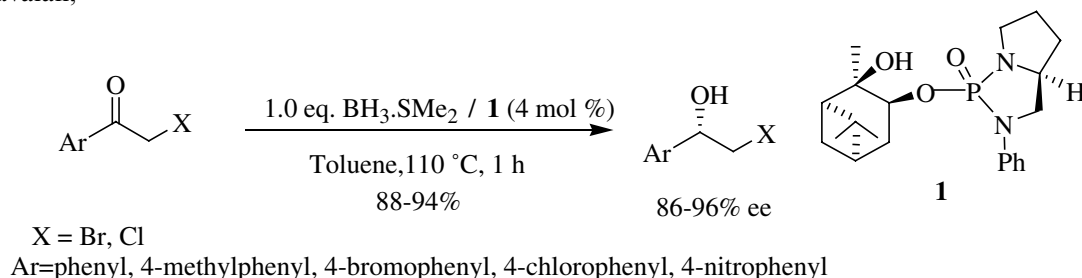
Zbigniew Pakulski and K. Michał Pietrusiewicz*



A new chiral catalytic source with an N–P=O structural framework containing a proximal hydroxyl group for the borane-mediated asymmetric reduction of prochiral ketones

pp 47–52

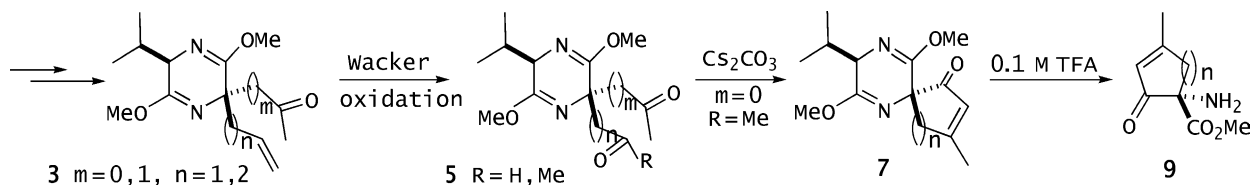
Deevi Basavaiah,* Gone Jayapal Reddy and Vanampally Chandrashekar



Stereoselective synthesis of functionalised cycloalkene α -quaternary α -amino acid derivatives

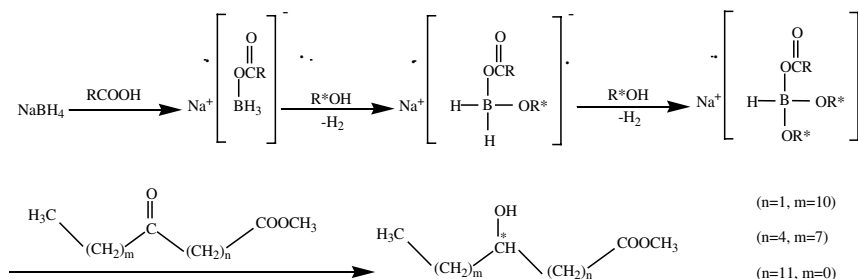
pp 53–63

Mioara Andrei and Kjell Undheim*



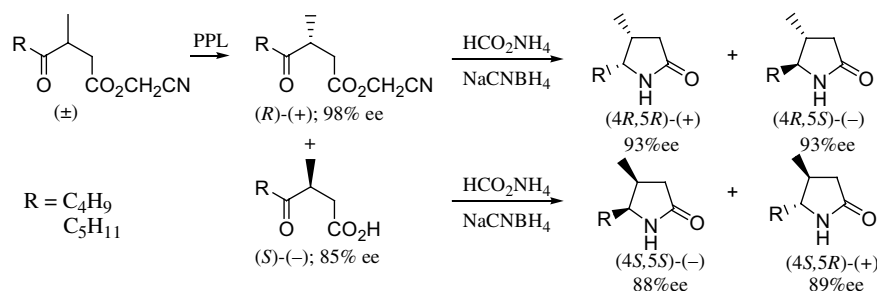
Asymmetric synthesis of monohydroxy tetradecanoic acids and their methyl esters
 Belma Hasdemir* and Ayşe Yusufoglu

pp 65–68



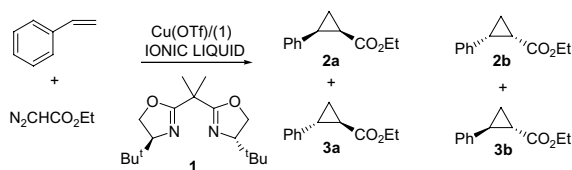
A chemoenzymatic synthesis of optically active aza analogues of Quercus lactones
 Fulvia Felluga,* Valentina Gombac, Michela Pavan, Giuliana Pitacco and Ennio Valentin

pp 69–76



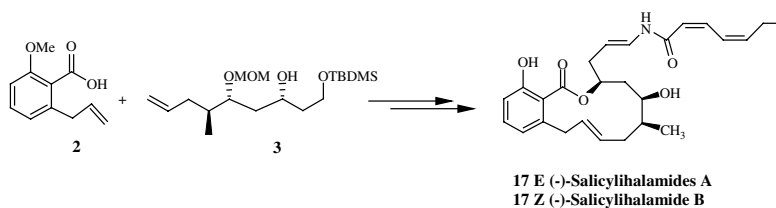
Asymmetric cyclopropanation in ionic liquids: effect of anion and impurities
 David L. Davies,* Sukhvinder K. Kandola and Raj K. Patel

pp 77–80



Formal total synthesis of (–)-salicylihalamides A and B
 J. S. Yadav* and P. Srihari

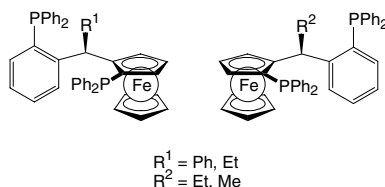
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New efficient synthesis of Taniaphos ligands: application in ruthenium- and rhodium-catalyzed enantioselective hydrogenations

pp 91–102

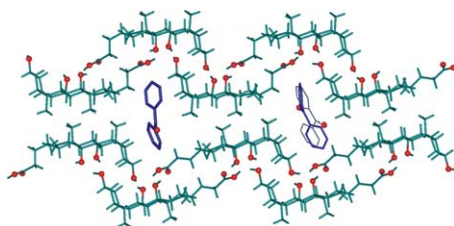
Katja Tappe and Paul Knochel*



Optical activity of benzophenone and thiobenzophenone generated by spontaneous crystallization and inclusion complexation with cholic acid

pp 103–107

Monika Szyszyng, Elzbieta Nowak, Maria Gdaniec, Maria J. Milewska and Tadeusz Połński*

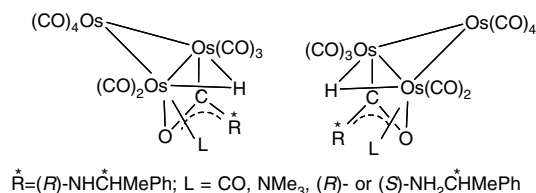


The enantiomorphous crystals of benzophenone and its cholic acid inclusion complex show strong Cotton effects corresponding to the ketone $n-\pi^*$ electronic transition.

Synthesis and comparative study of the physicochemical properties of the related optically active complexes $[(\mu-H)Os_3\{\mu-OCNH-(R)-CHMePh\}(CO)_9L]\{L=CO, NMe_3, (S)-(-), \text{ or } (R)-(+)-NH_2CHMePh\}$, toward the cluster and amino ligand configuration determination

pp 109–118

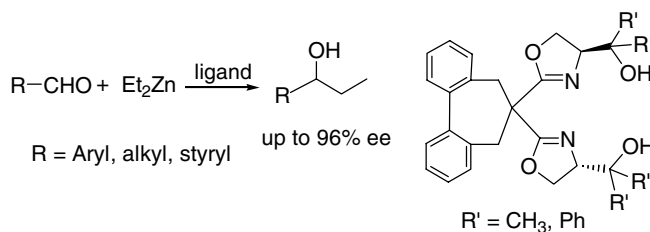
Victoria A. Ershova,* Vladimir M. Pogrebnyak, Anatoly V. Golovin, Alexander V. Virovets and Peter P. Semyannikov



Synthesis of novel C_2 -symmetric chiral bis(oxazoline) ligands and their application in the enantioselective addition of diethylzinc to aldehydes

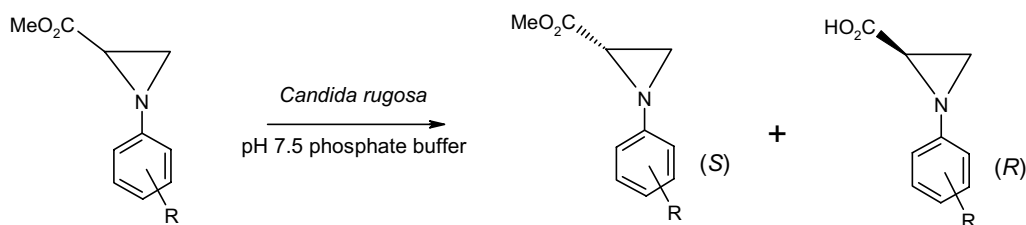
pp 119–126

Bin Fu, Da-Ming Du* and Jianbo Wang



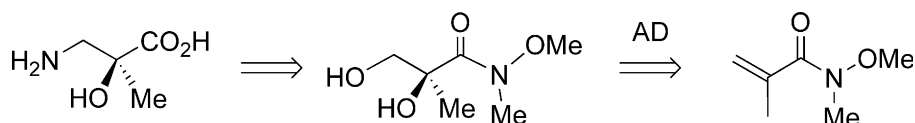
Enzymatic resolution of *N*-arylaziridine carboxylates

H. M. Sampath Kumar,* M. Shesha Rao, P. Pawan Chakravarthy and J. S. Yadav



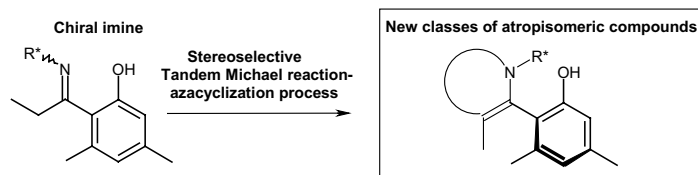
New syntheses of enantiopure 2-methyl isoserines

Alberto Avenoza,* Jesús H. Busto, Francisco Corzana, Gonzalo Jiménez-Osés, Miguel París,
Jesús M. Peregrina,* David Sucunza and María M. Zurbano



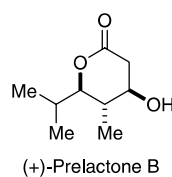
Stereoselective synthesis of new classes of atropisomeric compounds through a tandem Michael reaction–azacyclization process. Part 2

Stéphane Le Gac, Nicolas Monnier-Benoit, Lionel Doumampouom Metoul, Samuel Petit and Ivan Jabin*



A short and efficient synthesis of (+)-prelactone B

Luiz C. Dias,* Leonardo J. Steil and Valéria de A. Vasconcelos

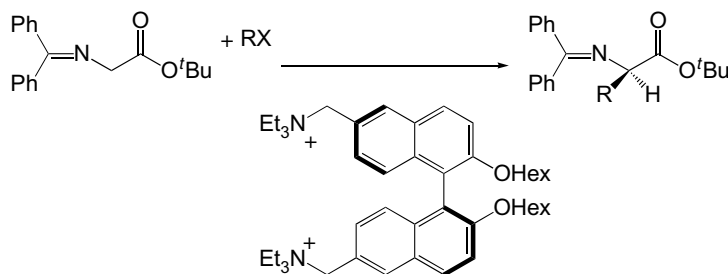


The asymmetric total synthesis of (+)-prelactone B has been achieved in seven steps with a 33% overall yield. This approach involves the use of a very efficient oxazolidinone-mediated *anti*-aldol reaction, and a diastereoselective coupling between a ketene silyl acetal with an aldehyde followed by lactonization.

Synthesis and competency of a novel dicationic phase-transfer catalyst

pp 151–154

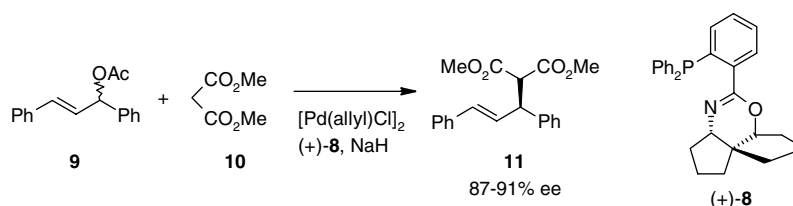
Walter E. Kowtoniuk, Michelle E. Rueffer and Darren K. MacFarland*



Synthesis of a novel spiro-phosphino-oxazine ligand and its application to Pd-catalyzed asymmetric allylic alkylation

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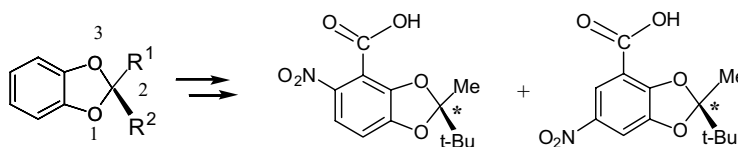
Susan M. Lait, Masood Parvez and Brian A. Keay*



Synthesis and characterization of asymmetric *o*- and *m*-nitrobenzoic acids with a 1,3-benzodioxole skeleton

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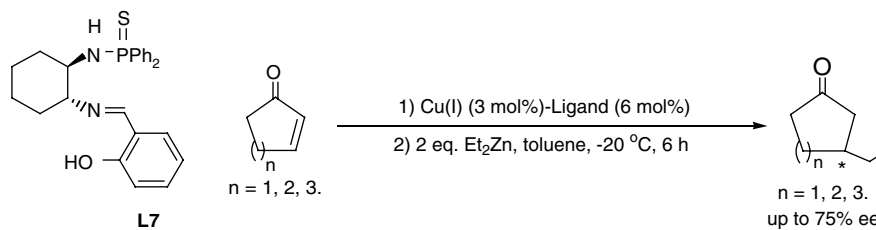
Masaya Suzuki, Yoshihiro Nishida,* Yuya Ohguro, Yoshiko Miura, Akiko Tsuchida and Kazukiyo Kobayashi*



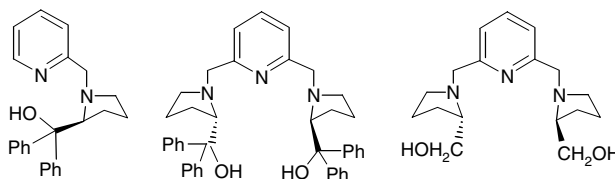
Asymmetric 1,4-addition of diethylzinc to α,β -unsaturated enones catalyzed by chiral imino-thiophosphoramidate ligands and copper(I)

pp 167–176

Min Shi* and Wen Zhang



In the presence of a catalytic amount of chiral imino-thiophosphoramidate ligand **L7** (6 mol%) and Cu(I) salts (3 mol%), the asymmetric addition of diethylzinc to α,β -unsaturated enones could be achieved in good yields with moderate ee (up to 75% ee) at -20°C in toluene.



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*Corresponding author



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ISSN 0957-4166