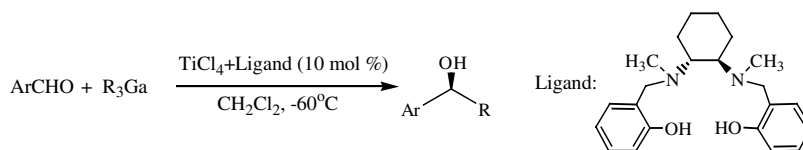


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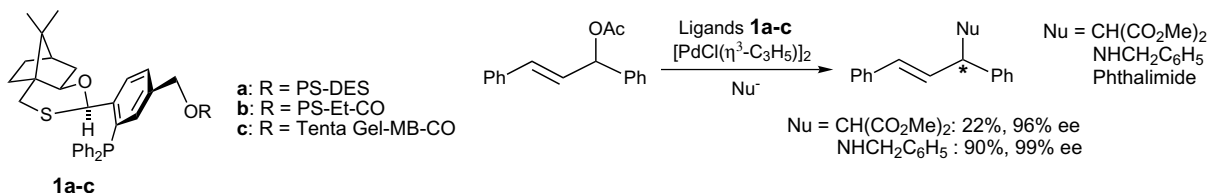
- The first asymmetric addition of organogallium to aldehydes catalyzed by chiral titanium catalysts** pp 605–608
Zhenya Dai, Chengjian Zhu,* Minghua Yang, Yunfa Zheng and Yi Pan*



The asymmetric addition of trialkylgallium to aldehydes was realized using chiral titanium catalyst with ees up to 84%.

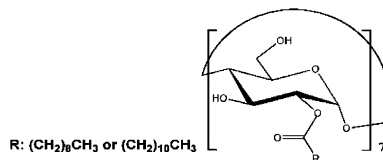
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- Polymer-supported chiral phosphinooxathiane ligands for palladium-catalyzed asymmetric allylations** pp 609–614
Hiroto Nakano,* Kouichi Takahashi, Yuri Suzuki and Reiko Fujita



Polymer-supported phosphinooxathianes **1a–c** were synthesized easily and applied to Pd-catalyzed asymmetric allylic alkylation and amination. Enantiomeric excesses of up to 99% were obtained using **1a**.

- Thermolysin catalyses the synthesis of cyclodextrin esters in DMSO** pp 615–622
Ninfa Rangel Pedersen, Janni Brogaard Kristensen, Guy Bauw, Bart Jan Ravoo, Raphael Darcy, Kim Lambertsen Larsen and Lars Hastrup Pedersen*

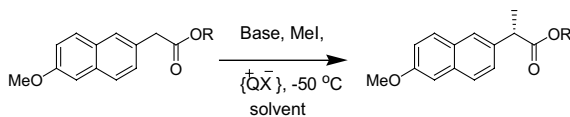


Heptakis(2-*O*-decanoyl)-β-cyclodextrin was synthesised from native β-cyclodextrin and vinyl decanoate in a one-step reaction catalysed by thermolysin in DMSO. The regioselectivity was directed primarily at the C-2 position but depended on the chain length of the acyl donor.

A simple catalytic route to naproxen

Sanjeev Kumar and Uma Ramachandran*

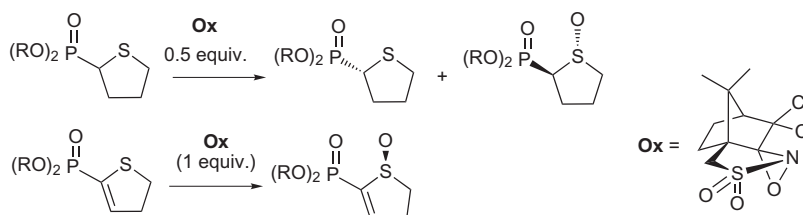
pp 647–649



Asymmetric synthesis of α -sulfinylphosphonates in the thiolane series

Piotr Kielbasinski,* Piotr Lyzwa, Marian Mikolajczyk, Mihaela Gulea,*
Margareth Lemarié and Serge Masson

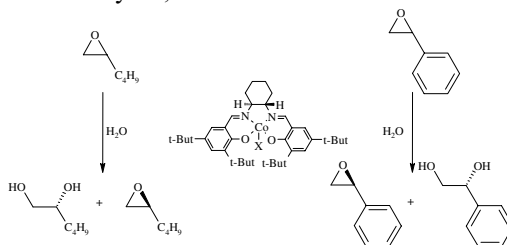
pp 651–655



The influence of solvent choice, acid activation and surfactant addition on the hydrolytic kinetic resolution (HKR) of terminal epoxides

Sven Aerts, Anita Buekenhoudt, Herman Weyten, Ivo F. J. Vankelecom* and Pierre A. Jacobs

pp 657–660

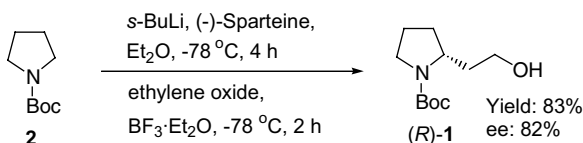


Several factors influencing the HKR of terminal epoxides are investigated. These factors include: solvent choice for the homogeneous reaction, acid activation of the catalyst and surfactant use in the solvent-free reaction.

Boron trifluoride etherate-assisted ring opening of ethylene oxide by a chiral organolithium: enantioselective synthesis of (*R*)-*N*-Boc-2-(2-hydroxyethyl)pyrrolidine

Xiaohu Deng and Neelakandha S. Mani*

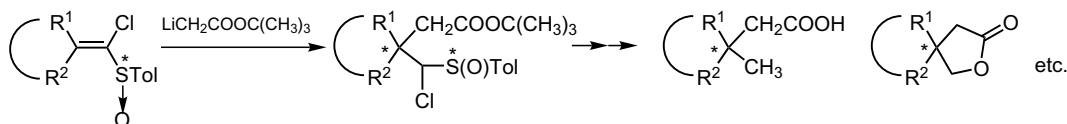
pp 661–664



Asymmetric synthesis of both enantiomers of esters and γ -lactones from optically active 1-chlorovinyl *p*-tolyl sulfoxides and lithium ester enolates with the formation of a tertiary or a quaternary carbon stereogenic center at the β -position

pp 665–673

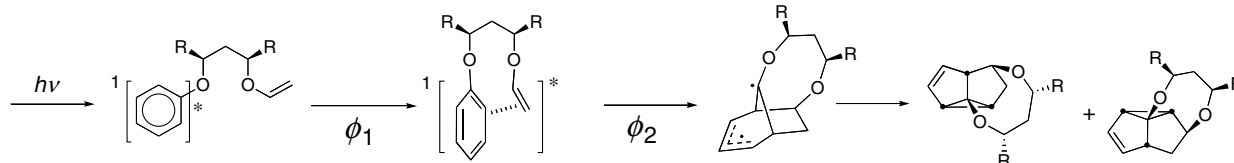
Shimpei Sugiyama and Tsuyoshi Satoh*



Stereocontrolled intramolecular *meta*-arene–alkene photocycloaddition reactions using chiral tethers: efficiency of the tether derived from 2,4-pentanediol

pp 675–683

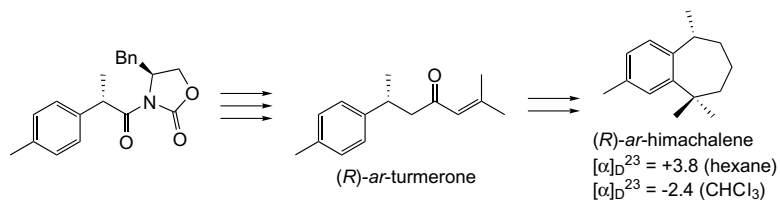
Takashi Sugimura,* Akiko Yamasaki and Tadashi Okuyama



Synthesis of (*R*)-*ar*-turmerone and its conversion to (*R*)-*ar*-himachalene, a pheromone component of the flea beetle: (*R*)-*ar*-himachalene is dextrorotatory in hexane, while levorotatory in chloroform

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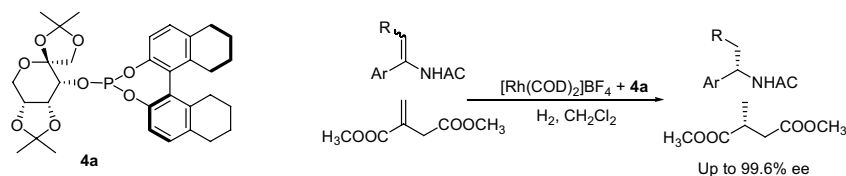
Kenji Mori*



Monophosphite ligands derived from carbohydrates and H₈-BINOL: highly enantioselective Rh-catalyzed asymmetric hydrogenations

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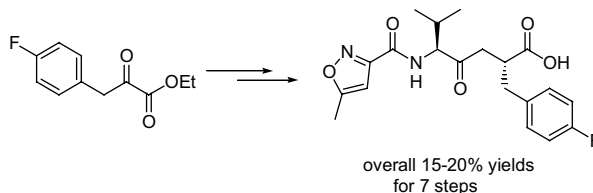
Hanmin Huang, Xiongcai Liu, Huilin Chen and Zhuo Zheng*



Chemoenzymatic synthesis of ketomethylene tripeptide isosteres

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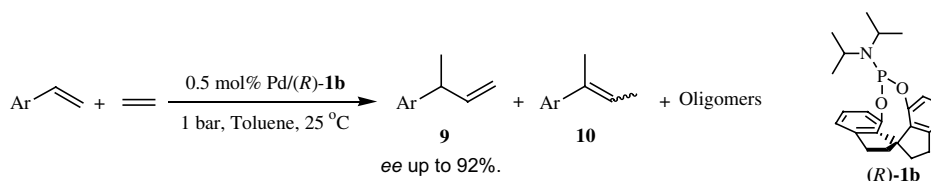
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Palladium-catalyzed asymmetric hydrovinylation under mild conditions using monodentate chiral spiro phosphoramidite and phosphite ligands

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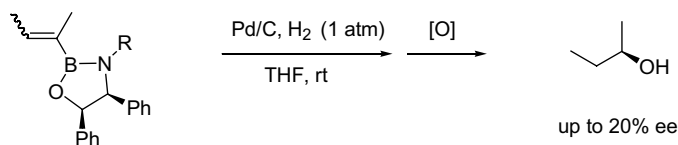
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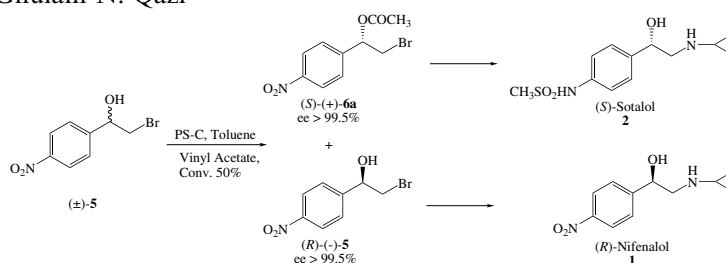
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Synthesis of β -adrenergic blockers (*R*)-(-)-nifenalol and (*S*)-(+)-sotalol via a highly efficient resolution of a bromohydrin precursor

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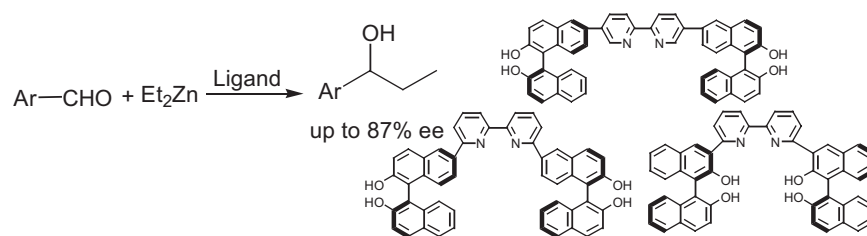
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Chiral C_2 -symmetric ligands containing two binaphthyl units linked by 2,2'-bipyridyl bridge in asymmetric catalysis

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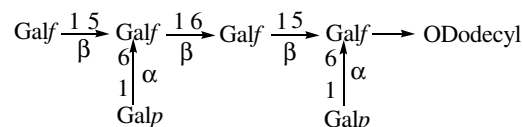
Xiao-Li Bai, Chuan-Qing Kang, Xu-Dong Liu and Lian-Xun Gao*



First synthesis of 5,6-branched galacto-hexasaccharide, the dimer of the trisaccharide repeating unit of the cell-wall galactans of *Bifidobacterium catenulatum* YIT 4016

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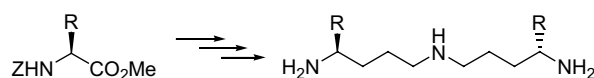
Guohua Zhang, Mingkun Fu and Jun Ning*



Convenient preparation of optically active N,N -bis(4-substituted-4-aminobutyl)amines

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Kazunori Tsubaki,* Tomokazu Kusumoto, Noriyuki Hayashi, Daisuke Tanima, Kaoru Fuji and Takeo Kawabata*



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*Corresponding author



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