

Tetrahedron: *Asymmetry* Vol. 19, No. 15, 2008

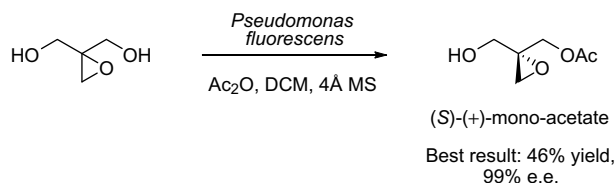
Contents

COMMUNICATION

Enzymatic desymmetrisation of (2-hydroxymethyl-oxiranyl)-methanol in organic solvents

pp 1761–1763

Andrea March Cortijos, Timothy J. Snape \*

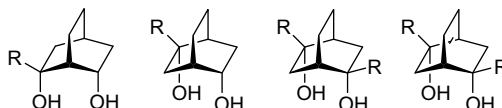


ARTICLES

Bicyclo[2.2.2]octane-derived chiral ligands—synthesis and application of BODOLs in the asymmetric reduction of acetophenone with catecholborane

pp 1765–1777

Annika Friberg, Ian Sarvary, Ola F. Wendt, Torbjörn Frejd \*

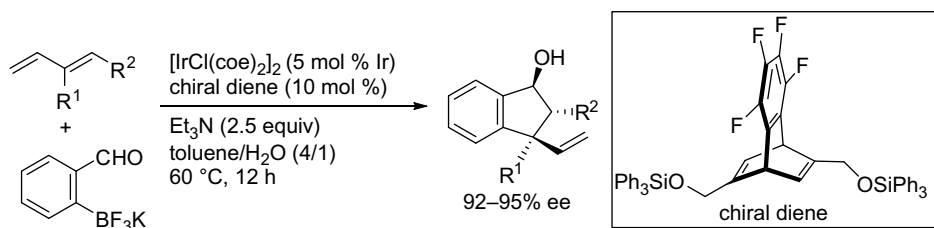


BODOLs -Novel ligands for asymmetric catalysis.

C<sub>2</sub>-Symmetric tetrafluorobenzobarrelenes as highly efficient ligands for the iridium-catalyzed asymmetric annulation of 1,3-dienes with 2-formylphenylboron reagents

pp 1778–1783

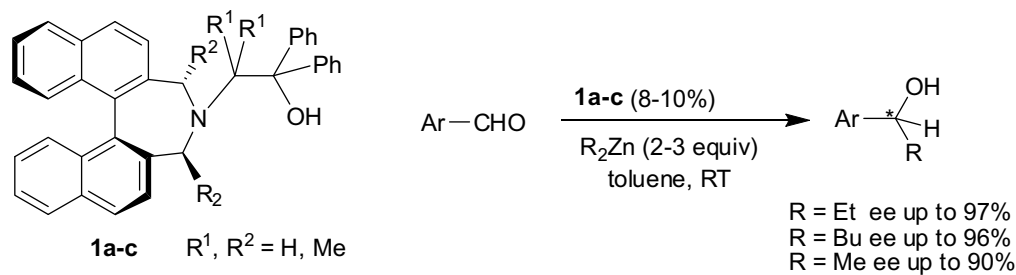
Takahiro Nishimura \*, Yuichi Yasuhara, Makoto Nagaosa, Tamio Hayashi \*



**1,1'-Binaphthylazepine-based ligands for the enantioselective dialkylzinc addition to aromatic aldehydes**

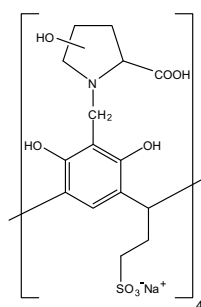
pp 1784–1789

Laura Pisani, Stefano Superchi \*

**Water-soluble calix[4]resorcinarenes as chiral NMR solvating agents for phenyl-containing compounds**

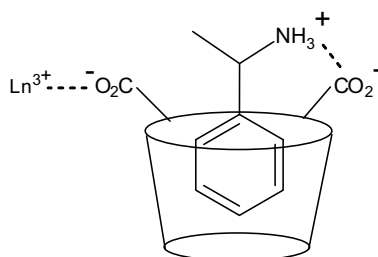
pp 1790–1796

Courtney M. O'Farrell, Thomas J. Wenzel \*

**Carboxymethylated cyclodextrins and their paramagnetic lanthanide complexes as water-soluble chiral NMR solvating agents**

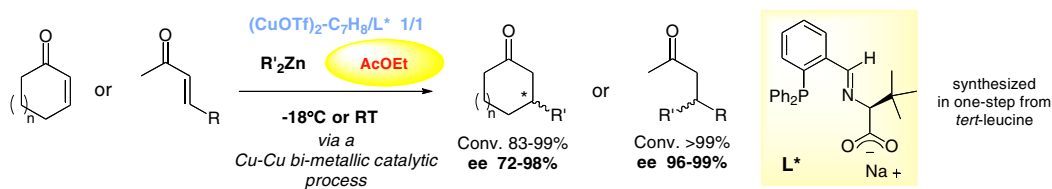
pp 1797–1803

Katelyn A. Provencher, Thomas J. Wenzel \*

**Chiral phosphinoazomethinylate salts as new 'one-step available' ligands for copper-catalyzed asymmetric conjugate addition**

pp 1804–1809

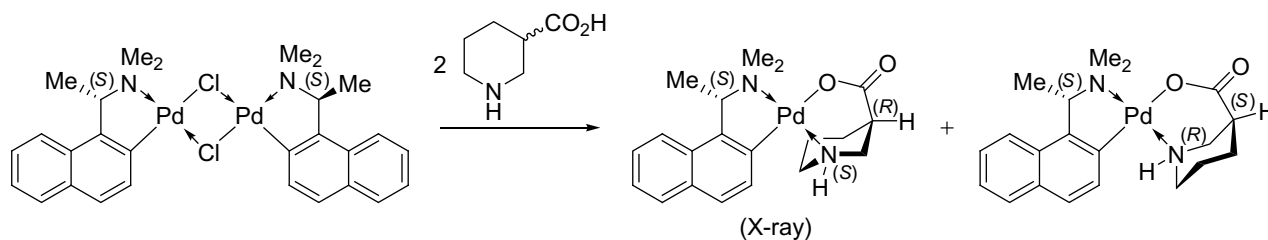
Joanna Wencel, Diane Rix, Thomas Jennequin, Stéphane Labat, Christophe Crévisy \*, Marc Mauduit \*



**Resolution of (±)-nipecotic acid ((±)-3-piperidinecarboxylic acid) by separation of palladium(II) diastereomers containing orthometallated (S)-(-)-1-[1-(dimethylamino)ethyl]naphthalene**

pp 1810–1812

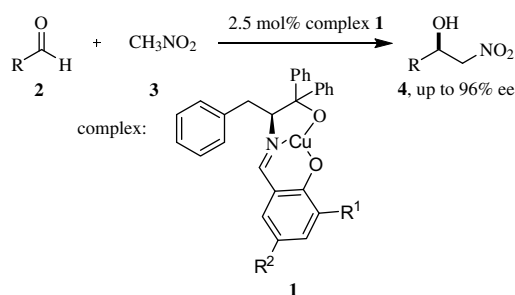
Paul A. Gugger, David C. R. Hockless, Nathan L. Kilah, Renuka C. Mayadunne, S. Bruce Wild \*



**Asymmetric Henry reaction catalyzed by a copper tridentate chiral schiff-base complex**

pp 1813–1819

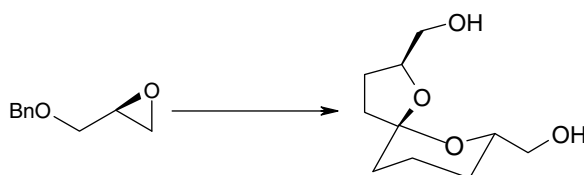
Guoyin Lai, Sujing Wang, Zhiyong Wang \*



**Stereoselective synthesis of 1,6-dioxaspiro[4.5]decane chiral spiroketal skeleton via C<sub>2</sub>-symmetric approach using crossmetathesis**

pp 1820–1823

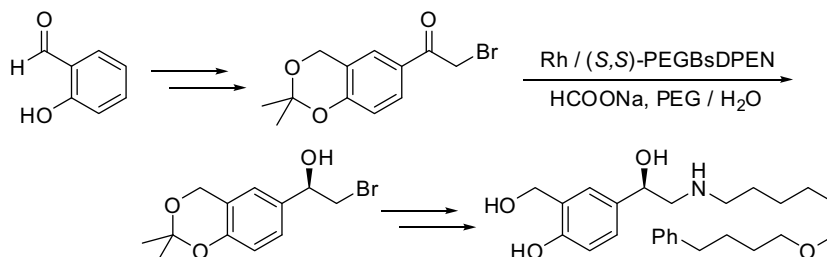
Errabelli Ramu, B. Venkateswara Rao \*



**A convenient synthesis of (R)-salmeterol via Rh-catalyzed asymmetric transfer hydrogenation**

pp 1824–1828

Juntao Liu, Di Zhou, Xian Jia, Ling Huang, Xingshu Li \*, Albert S. C. Chan

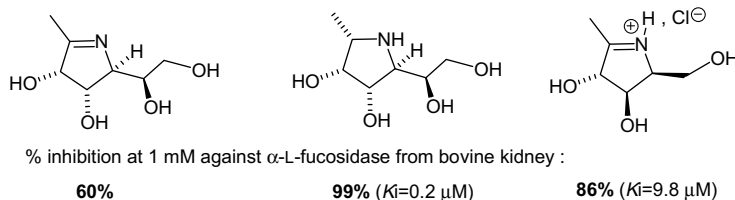


(R)-Salmeterol was synthesized in eight steps with salicylaldehyde as the starting material. The key chiral intermediate was prepared via Rh-catalyzed asymmetric transfer hydrogenation under mild conditions.

## Synthesis and $\alpha$ -fucosidase inhibitory potency of a cyclic sugar imine and its pyrrolidine analogue

pp 1829–1832

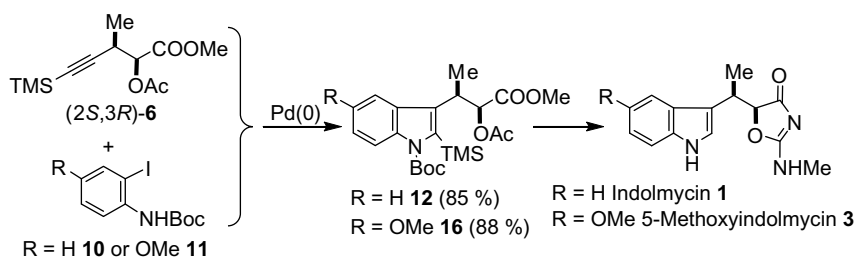
Jean-Bernard Behr\*, Morwenna S. M. Pearson, Claudia Bello, Pierre Vogel, Richard Plantier-Royon



## A concise synthesis of (–)-indolmycin and (–)-5-methoxyindolmycin

pp 1833–1838

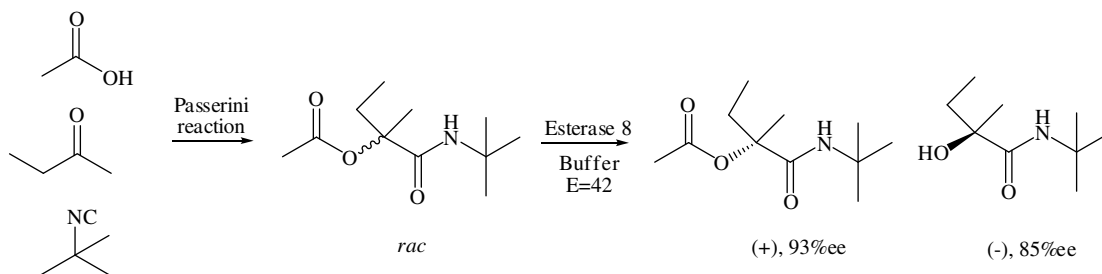
Noriyuki Sutou, Keisuke Kato, Hiroyuki Akita\*



## Hydrolase-catalyzed stereoselective preparation of protected $\alpha,\alpha$ -dialkyl- $\alpha$ -hydroxycarboxylic acids

pp 1839–1843

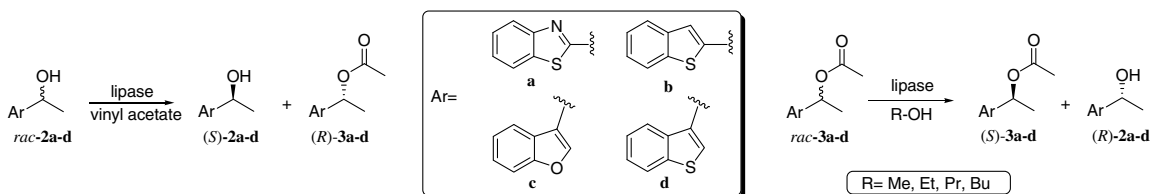
Robert Kourist, Giang-Son Nguyen, Dirk Strübing, Dominique Böttcher, Klaus Liebeton, Christian Naumer, Jürgen Eck, Uwe T. Bornscheuer\*



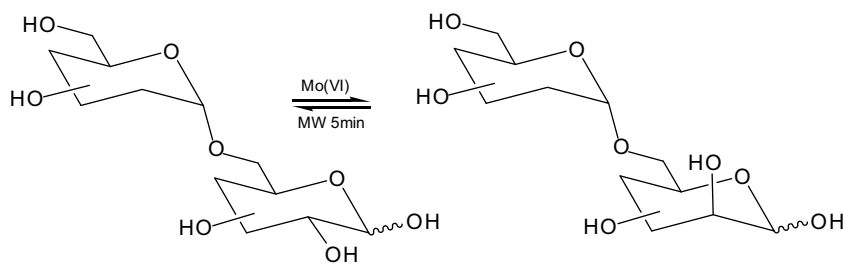
## Lipase-catalyzed kinetic resolution of racemic 1-heteroarylethanol—experimental and QM/MM study

pp 1844–1852

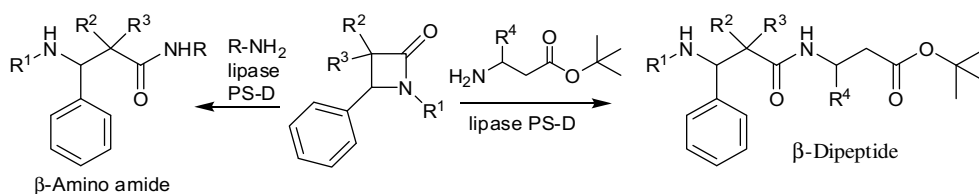
Monica Toşa, Sarolta Pilbák, Paula Moldovan, Csaba Paizs, Gábor Szatzker, György Szakács, Lajos Novák, Florin-Dan Irimie\*, László Poppe\*



**Microwave-assisted stereospecific intramolecular rearrangement of (1→6)-linked disaccharides catalyzed by Mo(VI)** pp 1853–1856  
Zuzana Hricovíniová



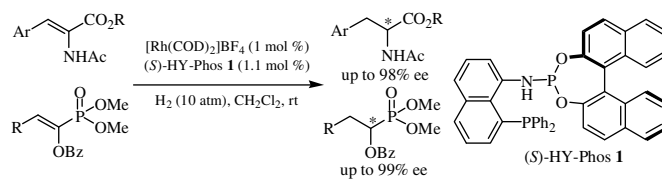
**Burkholderia cepacia lipase and activated  $\beta$ -lactams in  $\beta$ -dipeptide and  $\beta$ -amino amide synthesis** pp 1857–1861  
Xiang-Guo Li, Maria Lähitie, Liisa T. Kanerva \*



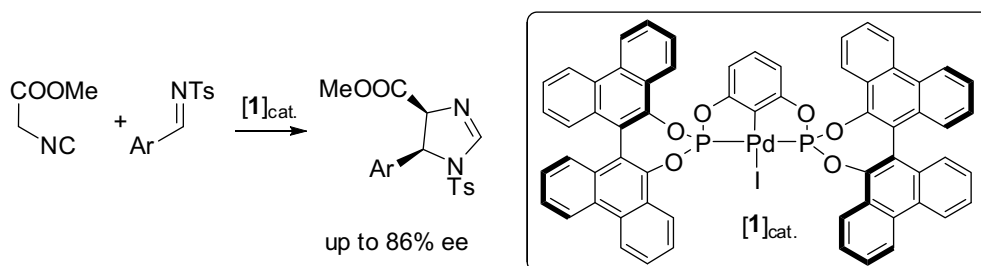
Lipase from *Burkholderia cepacia* was used for the preparation of enantiopure  $\beta$ -amino amides and  $\beta$ -dipeptides in dry organic solvent.

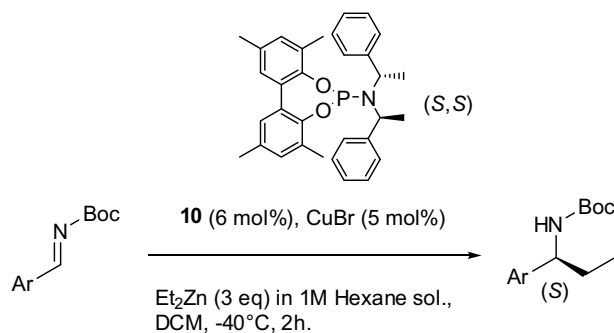
**Novel chiral phosphine-phosphoramidite ligands derived from 1-naphthylamine for highly efficient Rh-catalyzed asymmetric hydrogenation** pp 1862–1866

Sai-Bo Yu, Jia-Di Huang, Dao-Yong Wang, Xiang-Ping Hu \*, Jun Deng, Zheng-Chao Duan, Zhuo Zheng \*



**Chiral palladium-pincer complex catalyzed asymmetric condensation of sulfonimines and isocyanacetate** pp 1867–1870  
Juhanes Aydin, Andreas Rydén, Kálmán J. Szabó \*





## OTHER CONTENTS

Stereochemistry abstracts  
Cumulative author index

pp A411–A442  
pp I–V

\*Corresponding author

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