

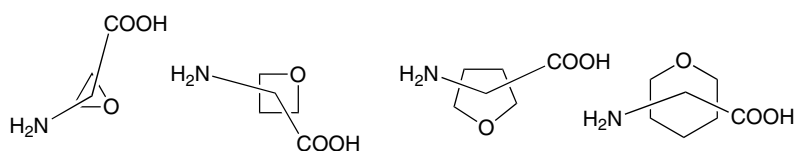
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REPORT

A compendium of sugar amino acids (SAA): scaffolds, peptide- and glyco-mimetics

pp 2001–2010

Martijn D. P. Risseuw, Mark Overhand,\* George W. J. Fleet\* and Michela I. Simone

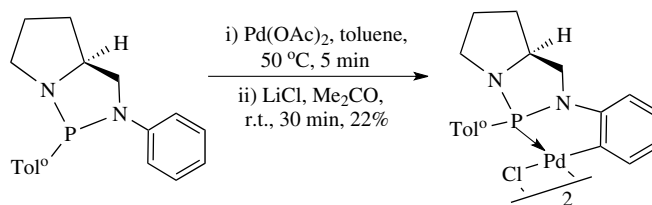


COMMUNICATIONS

Enantiomerically pure cyclopalladated diazaphospholidine

pp 2011–2015

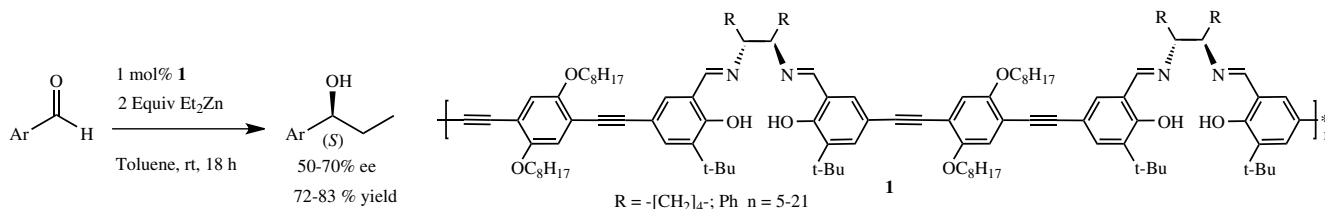
Valery V. Dunina,\* Olga N. Gorunova, Valeriya A. Stepanova, Pavel A. Zykov, Michail V. Livantsov, Yuri K. Grishin, Andrey V. Churakov and Lyudmila G. Kuz'mina



Chiral linear polymers bonded alternatively with salen and 1,4-dialkoxy-2,6-diethynylbenzene: synthesis and application to diethylzinc addition to aldehydes

pp 2016–2020

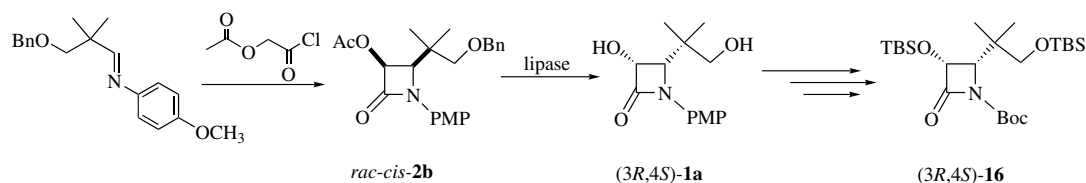
Suribabu Jammi, Laxmidhar Rout and Tharmalingam Punniyamurthy\*



Approaches to the synthesis of enantiopure  $\alpha$ -hydroxy- $\beta$ -lactams with functionalized side chains

pp 2021–2029

Yan Yang, Jianmei Wang and Margaret Kayser\*

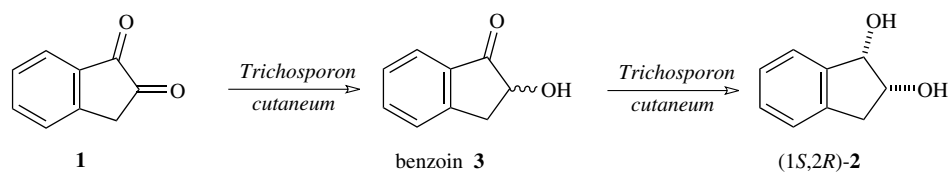


We report a synthesis of pharmaceutically important  $\alpha$ -hydroxy (or *t*-butyldimethylsilyl protected  $\alpha$ -hydroxy)- $\beta$ -lactams with functionalized chains in position 4 of the azetidinone ring. A convenient and high-yielding route to these compounds was developed and optimized. Preparation and characterization of several new enantiopure title compounds with various functional groups are discussed.

Trichosporon cutaneum-promoted deracemization of ( $\pm$ )-2-hydroxindan-1-one: a mechanistic study

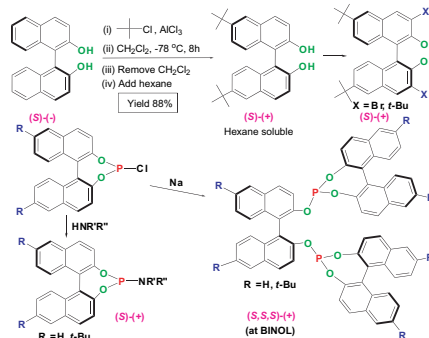
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Tarcila Cazetta, Inês Lunardi, Gelson J. A. Conceição, Paulo J. S. Moran and J. Augusto R. Rodrigues\*

A convenient chromatography-free access to enantiopure 6,6'-di-*tert*-butyl-1,1'-binaphthalene-2,2'-diol and its 3,3'-dibromo, di-*tert*-butyl and phosphorus derivatives: utility in asymmetric synthesis

pp 2037–2048

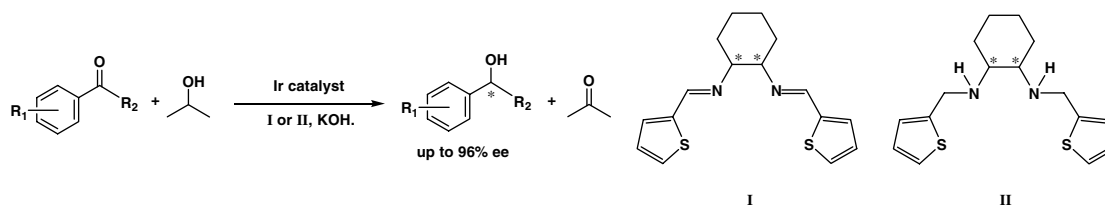
E. Balaraman and K. C. Kumara Swamy\*



## Chiral sulfur-containing ligands for iridium(I)-catalyzed asymmetric transfer hydrogenation of aromatic ketones

pp 2049–2054

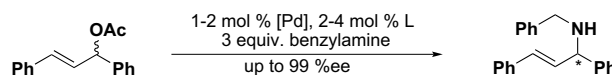
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**Enantioselective Pd-catalyzed allylic amination with self-assembling and non-assembling monodentate phosphine ligands**

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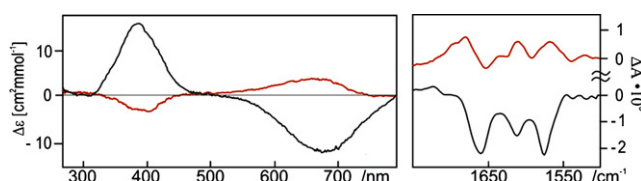
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**Bile pigment complexes with cyclodextrins: electronic and vibrational circular dichroism study**

pp 2061–2068

Iryna Goncharova and Marie Urbanová\*

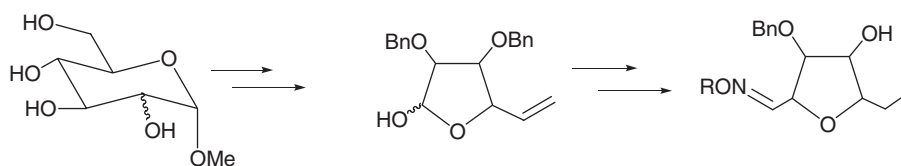


ECD and VCD spectra of biliverdin dianion in aqueous solutions with cyclodextrin (black) and randomly methylated cyclodextrin (red).

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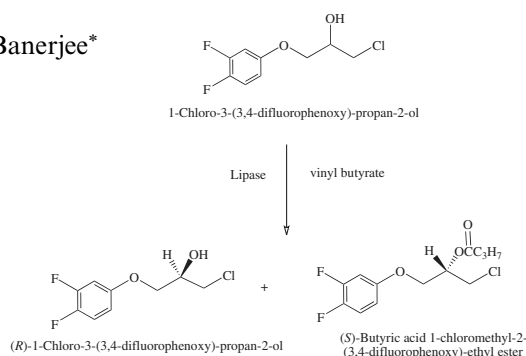
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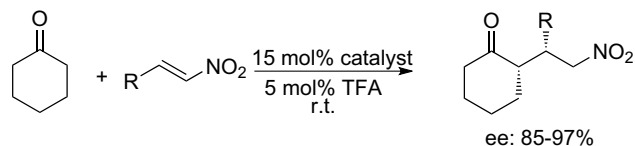
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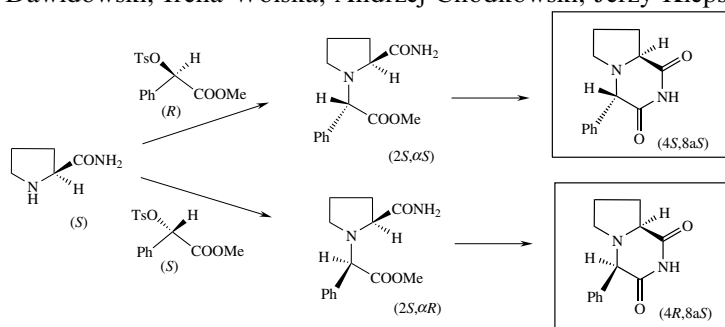
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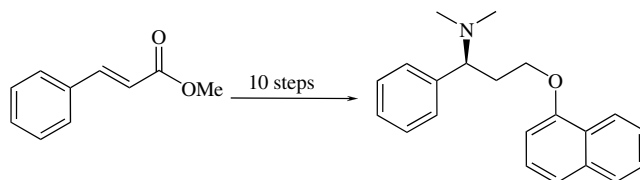
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Franciszek Herold,\* Maciej Dawidowski, Irena Wolska, Andrzej Chodkowski, Jerzy Kleps, Jadwiga Turło and Andrzej Zimniak

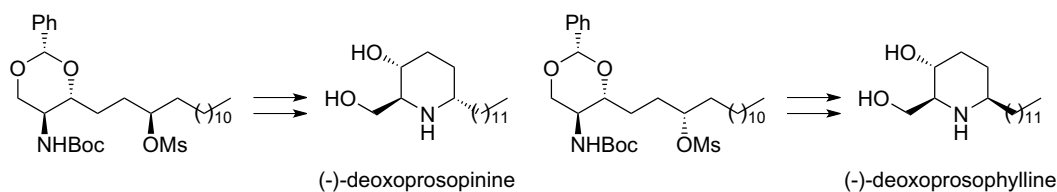
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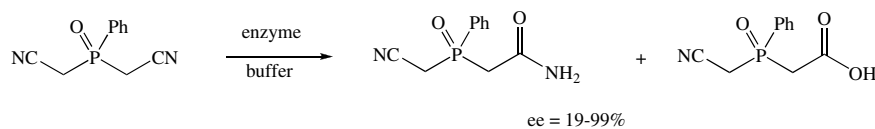
Ken-ichi Fuhshuku and Kenji Mori\*



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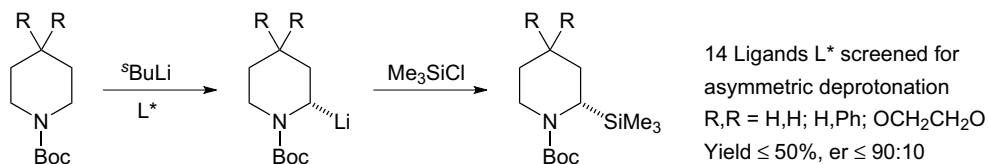
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\*Corresponding author

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