

## Contents

	v	Contributors to this issue
	vii	Graphical abstracts
		<b>COMMUNICATION</b>
N. J. Gilmore and S. Jones	2115	Evaluating the role of solvent and borane on the enantioselectivity of the oxazaborolidine reduction of prochiral ketones using catalysts derived from <i>cis</i> -(1 <i>R</i> ,2 <i>S</i> )-1-amino-indan-2-ol
		<b>ARTICLES</b>
J. M. Wagner, C. J. McElhinny, Jr., A. H. Lewin and F. I. Carroll	2119	Stereospecific synthesis of amphetamines
C. G. Arena, V. Casilli and F. Faraone	2127	New chiral amino-phosphoramidite and bisphosphoramidite ligands derived from ( <i>R,R</i> )-1,2-diaminocyclohexane: application in Cu-catalyzed asymmetric conjugate addition of diethylzinc to 2-cyclohexenone
Z.-L. Wu and Z.-Y. Li	2133	Enantioselective biotransformation of $\alpha,\alpha$ -disubstituted dinitriles to the corresponding 2-cyanoacetamides using <i>Rhodococcus</i> sp. CGMCC 0497
A. Grandeur, S. Petit, G. Gouhier, V. Agasse and G. Coquerel	2143	Enantioseparation of 1-( <i>p</i> -bromophenyl)ethanol by crystallization of host-guest complexes with permethylated $\beta$ -cyclodextrin: crystal structures and mechanisms of chiral recognition
S. Sugiyama, T. Inoue and K. Ishii	2153	One-pot acylation and fractional crystallization: preparation of optically active serinol monobenzoates
M <sup>a</sup> A. Bonache, G. Gerona-Navarro, C. García-Aparicio, M. Alías, M. Martín-Martínez, M <sup>a</sup> T. García-López, P. López, C. Cativiela and R. González-Muñiz	2161	Memory of chirality in the stereoselective synthesis of $\beta$ -lactams: importance of the starting amino acid derivative
N. Oohara, K. Katagiri and T. Imamoto	2171	A novel P-chirogenic phosphine ligand, ( <i>S,S</i> )-1,2-bis-[(ferrocenyl)methylphosphino]ethane: synthesis and use in rhodium-catalyzed asymmetric hydrogenation and palladium-catalyzed asymmetric allylic alkylation
H. Brunner, H. B. Kagan and G. Kreutzer	2177	Asymmetric catalysis. Part 153: Metal-catalysed enantioselective $\alpha$ -ketol rearrangement
F. Wang, S. H. Wang, Y. Q. Tu and S. K. Ren	2189	AlEt <sub>3</sub> -promoted eliminative ring-opening of $\beta$ -hydroxy epoxides: highly stereoselective synthesis of terminal $\alpha$ -hydroxy olefins
C. Jia, Y. Zhang and L. Zhang	2195	Highly stereoselective synthesis of a seven-membered carbasugar via triisobutylaluminium promoted Claisen rearrangement
R. Badorrey, C. Cativiela, M. D. Díaz-de-Villegas and J. A. Gálvez	2201	Efficient resolution of <i>rac</i> -2-cyano-2-methyl-3-phenylpropanoic acid. An appropriate starting material for the enantioconvergent synthesis of ( <i>S</i> )- $\alpha$ -methylphenylalanine on a large laboratory scale
R. Badorrey, C. Cativiela, M. D. Díaz-de-Villegas, J. A. Gálvez and A. Gil	2209	Efficient enantioconvergent synthesis of ( <i>S</i> )- $\alpha$ -benzyl- $\alpha$ -methyl- $\beta$ -alanine from ( <i>R</i> )- and ( <i>S</i> )-2-cyano-2-methyl-3-phenylpropanoic acid
J. Bayardon, M. Cavazzini, D. Maillard, G. Pozzi, S. Quici and D. Sinou	2215	Chiral fluoros phosphorus ligands based on the binaphthyl skeleton: synthesis and applications in asymmetric catalysis
G. Bringmann, M. Breuning, R.-M. Pfeifer and P. Schreiber	2225	Atropo-enantioselective synthesis of a C <sub>3</sub> -symmetric tripodal ligand with three axially chiral biaryl subunits
F. Meyer, A. Laaziri, A. M. Papini, J. Uziel and S. Jugé	2229	Efficient synthesis of $\beta$ -halogeno protected L-alanines and their $\beta$ -phosphonium derivatives
C.-Y. Chang and T.-K. Yang	2239	Asymmetric synthesis of ACE inhibitor-Benazepril HCl via a bioreductive reaction

- M. Pallavicini, C. Bolchi, B. Moroni,  
E. Valoti and O. Piccolo 2247 Resolution of 1-phenyl-2-(*p*-tolyl)ethylamine via diastereomeric salt formation
- E. Deniau, D. Enders, A. Couture and  
P. Grandclaudon 2253 A new synthetic route to highly enantioenriched 3-substituted-2,3-dihydro-1*H*-isoindol-1-ones
- S. Tisse, V. Peulon-Agasse, H. Oulyadi,  
F. Marsais and J. C. Combret 2259 Selective access and full characterization of mono-acidic permethylated  $\beta$ -cyclodextrin derivatives and their methyl esters
- A. Holmén, J. Oxelbark and S. Allenmark 2267 Direct determination of the absolute configuration of a cyclic thiol sulfinate by VCD spectroscopy
- K. Kriis, T. Kanger, A.-M. Müürisepp and  
M. Lopp 2271  $C_2$ -Symmetric bimorpholines as chiral ligands in the asymmetric hydrogenation of ketones
- E. M. Sanchez Fernandez,  
J. I. Candela Lena, E. Altinel, N. Birlirakis,  
A. F. Barrero and S. Arseniyadis 2277 Lead tetraacetate mediated domino reactions on (*R*)-(-)-carvone-derived bicyclic unsaturated 1,2-diols and further rearrangements
- L. Wang, W. H. Kwok, A. S. C. Chan,  
T. Tu, X. Hou and L. Dai 2291 Asymmetric hydroesterification of styrene using catalysts with planar-chiral ferrocene oxazoline ligands
- A405 Stereochemistry abstracts  
I Instructions to contributors  
V Cumulative author index



www.tetrahedron.info



Full text of this journal is available, on-line from **ScienceDirect**. Visit [www.sciencedirect.com](http://www.sciencedirect.com) for more information.



This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.com>

---

Indexed/Abstracted in: Beilstein, BIOSIS Previews, Chemical Abstracts, Current Contents: Physical, Chemical and Earth Sciences, Derwent Biotechnology Abstracts, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, PASCAL, Research Alert, Science Citation Index, SciSearch



Pergamon

ISSN 0957-4166