

Contents

	v	Contributors to this issue
	vii	Graphical abstracts
COMMUNICATIONS		
A. Ichikawa, H. Ono and N. Harada	1593	Synthesis and analytical properties of (<i>S</i>)-(+)-2-methoxy-2-(9-phenanthryl)propionic acid
T. Hashimoto, Y. Tanaka and K. Maruoka	1599	Symmetrical 4,4',6,6'-tetraarylbinaphthyl-substituted ammonium bromide as a new, chiral phase-transfer catalyst
S. Konishi, H. Hanawa and K. Maruoka	1603	Catalytic asymmetric methallylation and propargylation of aldehydes with bis((<i>S</i>)-binaphthoxy)(isopropoxy)titanium oxide
A. García Martínez, E. Teso Vilar, A. García Fraile, S. de la Moya Cerero and B. Lora Maroto	1607	First access to enantiopure C(7)-substituted fenchones: new norbornane-based chiral materials from the chiral pool
A. M. Segarra, F. Guirado, C. Claver and E. Fernandez	1611	Efficiency of natural bentonite versus synthetic organo(bis-silantriolates) as supports towards the heterogenisation of asymmetric hydroboration
ARTICLES		
E. Arceo, J. M. Odriozola, J. M. García, A. González and P. Gil	1617	Asymmetric synthesis of (<i>R</i>)-4-hexanolide, the pheromone of <i>Trogoderma glabrum</i>
S. Toyota, T. Shimasaki, N. Tanifuji and K. Wakamatsu	1623	Experimental and theoretical investigations of absolute stereochemistry and chiroptical properties of enantiopure 2,2'-substituted 9,9'-bianthryls
K. Sakai, R. Sakurai, A. Yuzawa, Y. Kobayashi and K. Saigo	1631	Resolution of 3-(methylamino)-1-(2-thienyl)propan-1-ol, a new key intermediate for duloxetine, with (<i>S</i>)-mandelic acid
J.-P. Ebran, P. Jubault, X. Pannecoucke and J.-C. Quirion	1637	Diastereoselective synthesis of chiral non-racemic 2-substituted 2-borana-tophosphino ethanoic acid: a potential intermediate to chiral ligands for asymmetric catalysis
R. A. Tromp, M. van der Hoeven, A. Amore, J. Brussee, M. Overhand, G. A. van der Marel and A. van der Gen	1645	Synthesis of Fmoc-protected (2 <i>S</i> ,3 <i>S</i>)-2-hydroxy-3-amino acids from a furyl substituted chiral cyanohydrin
R. G. Soengas, J. C. Estévez, R. J. Estévez and M. A. Maestro	1653	Synthesis of polyhydroxylated α -nitrocyclohexane carboxylic acids derived from D-glucose: a striking case of racemization
M. Zaidlewicz, A. Tafelska-Kaczmarek, A. Prewysz-Kwinto and A. Chechlowska	1659	Asymmetric synthesis of (<i>S</i>)-bufuralol and a propafenone analogue
G. Rassu, L. Auzzas, V. Zambrano, P. Burreddu, L. Battistini and C. Curti	1665	A short entry to novel C(2)-methyl branched 4a-carbafuranoses
B. Thierry, J.-C. Plaquevent and D. Cahard	1671	Poly(ethylene glycol) supported <i>cinchona</i> alkaloids as phase transfer catalysts: application to the enantioselective synthesis of α -amino acids
M. Amat, C. Escolano, N. Llor, M. Huguet, M. Pérez and J. Bosch	1679	Stereoselective α -amidoalkylation reactions of phenylglycinol-derived bicyclic lactams
M. Calmès, F. Escale, M. Rolland and J. Martinez	1685	Diastereoselective esterification of (\pm)- <i>N</i> -trifluoroacetyl pipercolic acid using (<i>S</i>)- α -methyl pantolactone: synthesis of (<i>S</i>)- <i>N</i> -Boc pipercolic acid and (<i>S</i>)- <i>N</i> -Boc-2-piperidinemethanol
M. Amat, M.-D. Coll, N. Llor, C. Escolano, E. Molins, C. Miravittles and J. Bosch	1691	Asymmetric synthesis of tetracyclic substructures of <i>Strychnos</i> indole alkaloids
S. Bastin, M. Ginj, J. Brocard, L. Péliniski and G. Novogrocki	1701	Chiral ferrocenyl amino alcohols for enantioselective additions of diethyl-zinc to aldehydes

- S. Jarosz, K. Szewczyk and A. Zawisza 1709 Synthesis of highly oxygenated enantiomerically pure *cis*-bicyclo[4.3.0]-nonanes from secondary sugar allyltin derivatives
- S. Jarosz, K. Szewczyk and A. Zawisza 1715 Synthesis and thermal stability of secondary sugar allyltin derivatives
- G. de Gonzalo, R. Brieva, V. M. Sánchez, M. Bayod and V. Gotor 1725 Enzymatic alkoxy-carbonylation reactions on the intermediate in the synthesis of (-)-paroxetine, *trans*-*N*-benzyloxycarbonyl-4-(4'-fluorophenyl)-3-hydroxy-methylpiperidine
- C. Bolm, T. Focken and G. Raabe 1733 Synthesis of iridium complexes with novel planar chiral chelating imidazolyli-dene ligands
- S. Ferrer, M. Pastó, B. Rodríguez, A. Riera and M. A. Pericàs 1747 Chiral derivatives of semisquaric acid as new modular ligands for asymmetric catalysis
- M. Kiri-hara, M. Kawasaki, T. Takuwa, H. Kakuda, T. Wakikawa, Y. Takeuchi and K. L. Kirk 1753 Efficient synthesis of (*R*)- and (*S*)-1-amino-2,2-difluorocyclopropanecarboxylic acid via lipase-catalyzed desymmetrization of prochiral precursors
- A303 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 for more information.



This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science 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