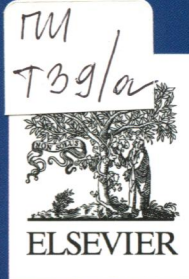
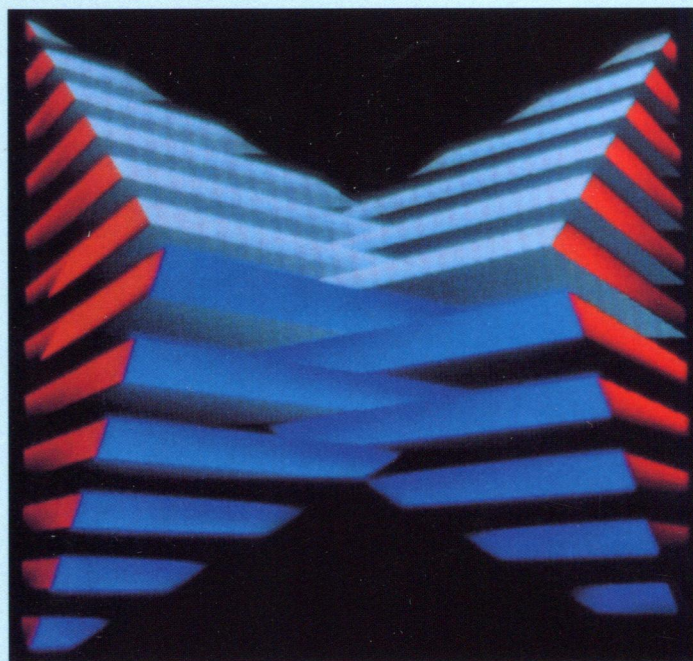


Vol. 25 · Nos. 20–21 · 31 October 2014 · ISSN 0957-4166



# Tetrahedron: *Asymmetry*

THE INTERNATIONAL JOURNAL FOR THE RAPID PUBLICATION OF ALL ASPECTS  
OF ASYMMETRY IN ORGANIC, INORGANIC, ORGANOMETALLIC,  
PHYSICAL AND BIOORGANIC CHEMISTRY



Editor-in-Chief:  
STEPHEN G. DAVIES  
*University of Oxford, UK*

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

**ScienceDirect**

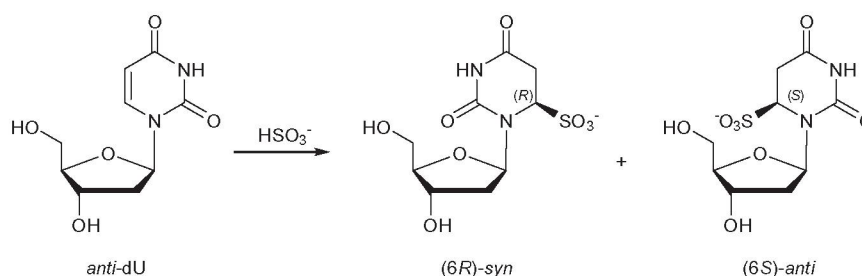
**Tetrahedron: *Asymmetry* Vol. 25, Nos. 20–21, 2014**

**Contents**

**COMMUNICATIONS**

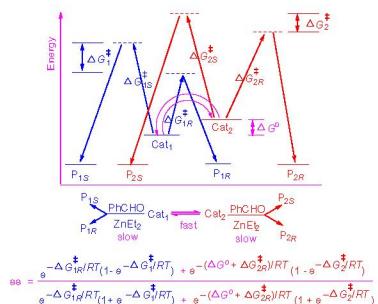
**The C6 configuration and *syn/anti* conformational preference of the bisulfite adducts of deoxyuridine and deoxycytidine pp 1355–1359 by NMR and DFT calculations**

Karel D. Klika\*, Peter Schüler, Aubry K. Miller\*



**A mathematical expression for the enantioselectivity and thermodynamic factors in the conformational equilibrium of pp 1360–1365 catalysts in the addition of diethylzinc to benzaldehyde**

Min-Can Wang\*, Gao-Wei Li, Wen-Bo Hu, Yuan-Zhao Hua, Xixi Song, Hui-Jie Lu\*

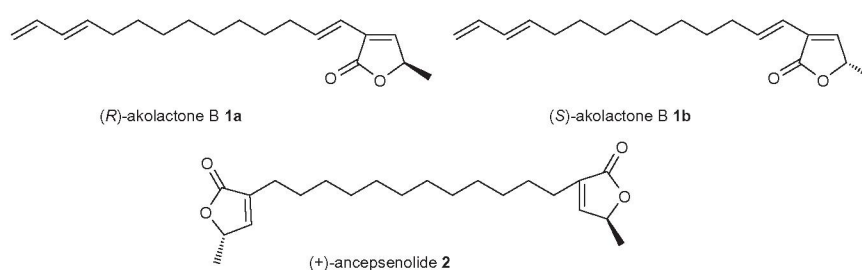


**ARTICLES**

**Synthesis of both enantiomers of akolactone B and (+)-ancepsenolide**

pp 1367–1371

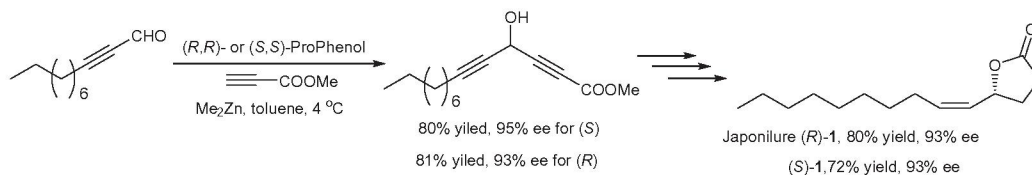
Gen Hikosaka, Yasunao Hattori, Hidefumi Makabe\*



### Catalytic asymmetric synthesis of Japonilure and its enantiomer

pp 1372–1375

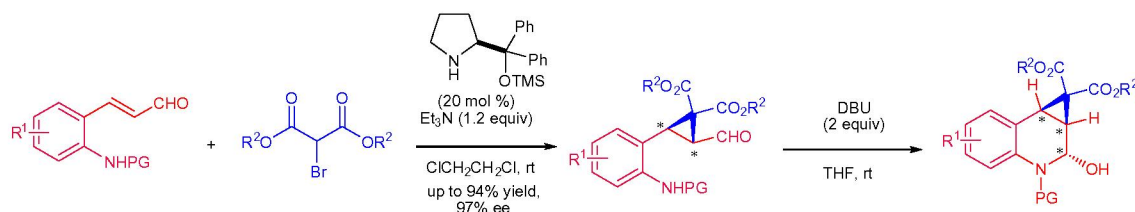
Hao Xu, Shuo-Ning Li, Yan-Qing Yang, Yun Zhou, Qian-Zhen Yang, Qing-Hua Bian, Jiang-Chun Zhong\*, Min Wang



### Construction of chiral cyclopropane-fused tetrahydroquinolines: enantioselective organocatalytic Michael/alkylation domino reaction and one-pot aza-cyclization

pp 1376–1382

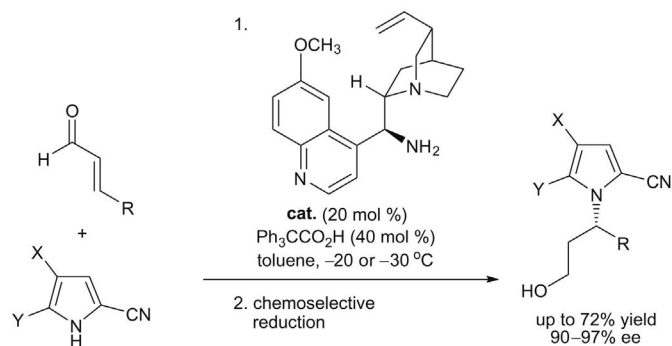
Cheolwoong Kim, Sung-Gon Kim\*



### Cinchona-based primary amine-catalyzed enantioselective aza-Michael reactions of pyrroles with $\alpha,\beta$ -unsaturated aldehydes

pp 1383–1388

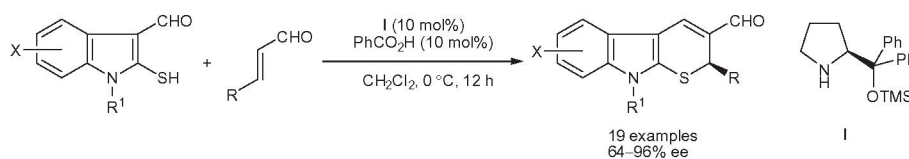
Su-Jeong Lee, Jun-Gi Ahn, Chang-Woo Cho\*



### Stereocontrolled construction of the dihydrothiopyrano[2,3-b]indole skeleton via an organocatalyzed asymmetric cascade sulfa-Michael-aldol reaction

pp 1389–1395

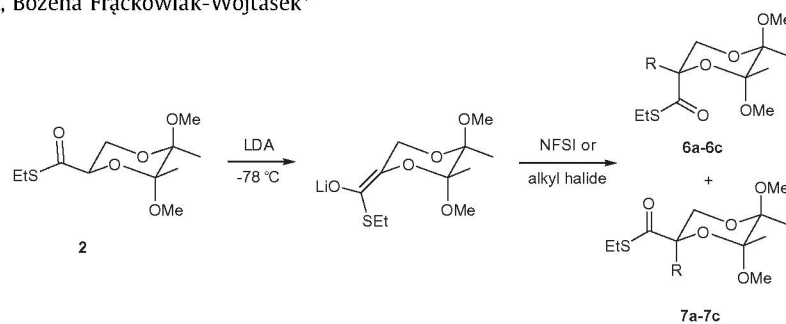
Lulu Wu, Youming Wang, Zhenghong Zhou\*



## Stereoselective reactions of a thioester butanediactal with various electrophiles

pp 1396–1400

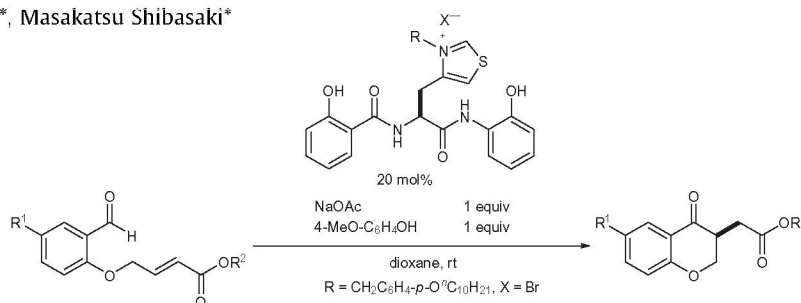
Adam Drop, Hubert Wojtasek, Bożena Frąckowiak-Wojtasek\*



## Design and synthesis of a bis(hydroxyphenyl)diamide bearing a pendant thiazolium unit; application to the catalytic asymmetric intramolecular Stetter reaction

pp 1401–1408

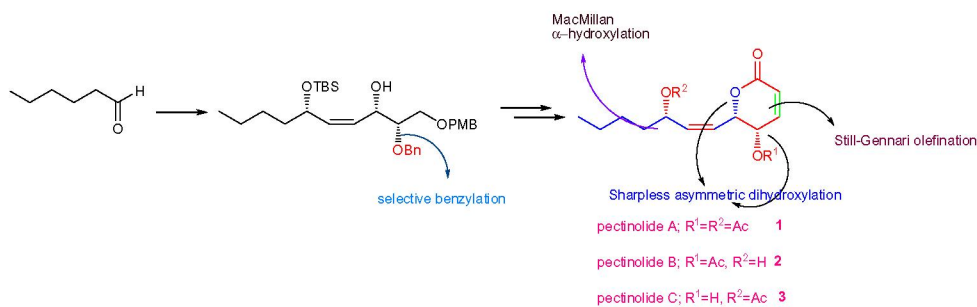
Youmei Bao, Naoya Kumagai\*, Masakatsu Shibasaki\*



## The stereoselective total syntheses of pectinolides A, B, and C

pp 1409–1417

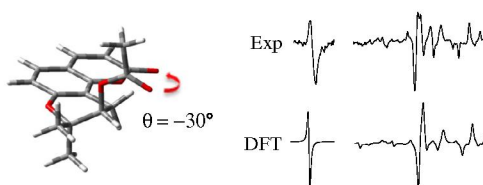
Udugu Ramulu, Dasari Ramesh, Sudina Purushotham Reddy, Singanaboina Rajaram, Katragadda Suresh Babu\*



## The absolute configuration of angular 3'-acyloxy pyranocoumarins by vibrational circular dichroism exciton chirality

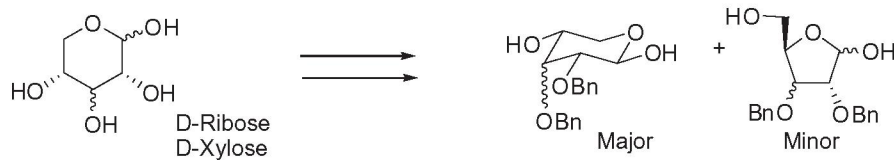
pp 1418–1423

Abigail I. Buendía-Trujillo, J. Martín Torres-Valencia, Pedro Joseph-Nathan, Eleuterio Burgueño-Tapia\*



The absolute configuration of several lomatin C3' monoesters was determined by exciton chirality in the infrared region, and confirmed by VCD DFT B3LYP/DGDZVP calculations of (R)-3'-acetyllomatin.

Reignier Jeffrey, Gurdial Singh\*, Patrice G.J. Plaza-Alexander, Nadia Singh, Jonathan M. Goodman, Alessia Bacchi, Francesco Punzo



**OTHER CONTENTS**

Stereochemistry abstracts

pp A361–A386

Cumulative author index

pp I–IV

\*Corresponding author

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

**ScienceDirect**

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. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®



ELSEVIER

ISSN 0957-4166