

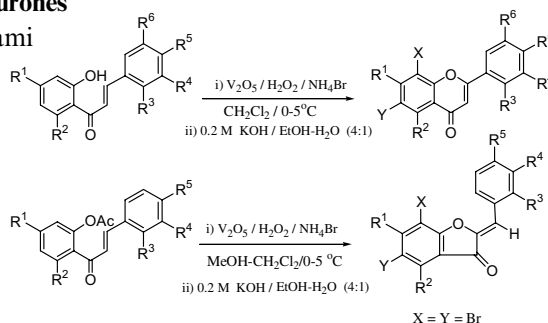
Contents

COMMUNICATIONS

A highly efficient and environmentally benign synthesis of 6,8-dibromoflavones, 8-bromoflavones, 5,7-dibromoauroones and 7-bromoauroones

pp 4937–4940

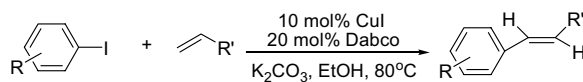
Abu T. Khan* and Papori Goswami



CuI/Dabco as a highly active catalytic system for the Heck-type reaction

pp 4941–4944

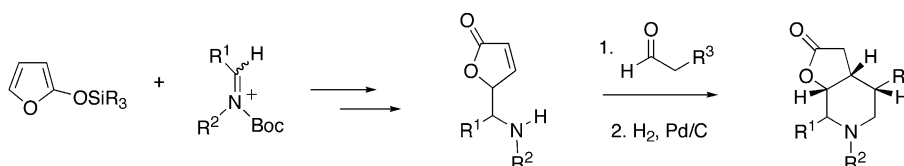
Jin-Heng Li,* De-Ping Wang and Ye-Xiang Xie



Stereocontrolled synthesis of polysubstituted piperidines from vinylogous Mannich adducts and aldehydes

pp 4945–4947

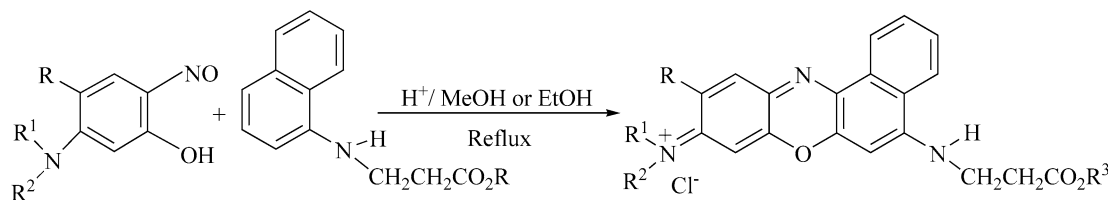
José M. Aurrecoechea* and Rubén Suero



Synthesis and fluorescence properties of side-chain carboxylated 5,9-diaminobenzo[a]-phenoxazinium salts

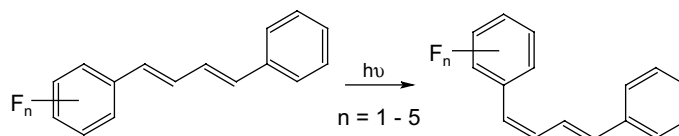
pp 4949–4952

Vânia H. J. Frade, M. Sameiro T. Gonçalves* and João C. V. P. Moura


Regiospecific photoisomerization of fluorinated (*E,E*)-1,4-diphenyl-1,3-butadienes

pp 4953–4956

Jin Liu,* Kelly J. Boarman, Natalie L. Wendt and Lina M. Cardenas


ZnO: a versatile agent for benzylic oxidations

pp 4957–4960

Monika Gupta, Satya Paul,* Rajive Gupta and André Loupy

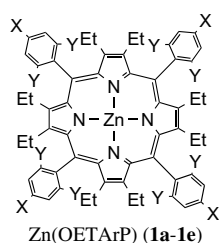


Zinc oxide is used for the oxidation of various alkylbenzenes, naphthalenes and 1,2,3,4-tetrahydronaphthalene in air atmosphere under microwave irradiation or conventional heating using *N,N*-dimethylformamide.

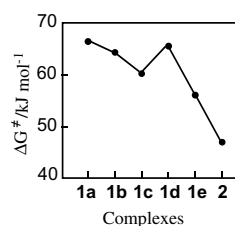
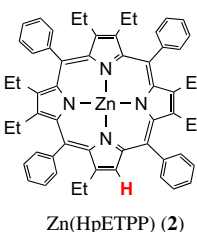
Synthesis and inversion barriers of undeca- and dodeca-substituted saddle shaped porphyrin complexes

pp 4961–4964

Akito Hoshino, Yoshiki Ohgo and Mikio Nakamura*



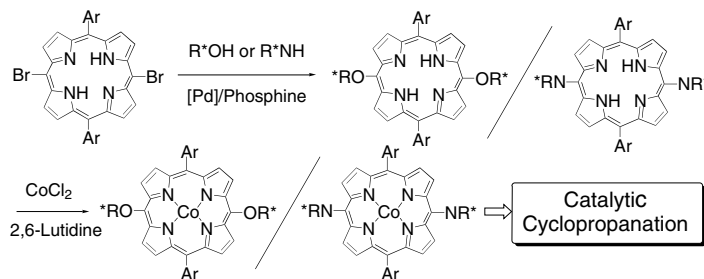
- a X = OCH₃ Y = H
 b X = H Y = H
 c X = CF₃ Y = H
 d X = NO₂ Y = H
 e X = H Y = Cl



Palladium-mediated synthesis of novel *meso*-chiral porphyrins: cobalt-catalyzed cyclopropanation

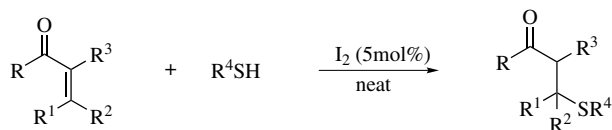
pp 4965–4969

Ying Chen, Guang-Yao Gao and X. Peter Zhang*

**Iodine-catalyzed Michael addition of mercaptans to α,β -unsaturated ketones under solvent-free conditions**

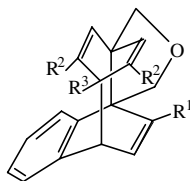
pp 4971–4974

Cheng-Ming Chu, Shijay Gao, M. N. V. Sastry and Ching-Fa Yao*

**Photochemical generation of benzene–naphthalene biplanemers**

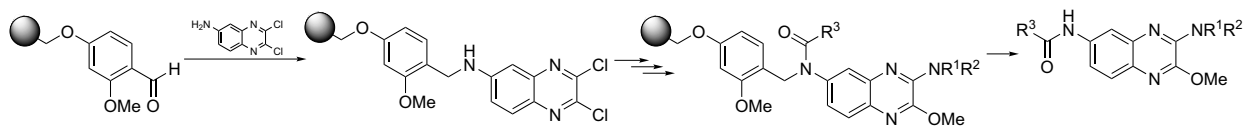
pp 4975–4977

Derong Cao* and Herbert Meier

**Solid-phase synthesis of quinoxaline derivatives using 6-amino-2,3-dichloroquinoxaline loaded on AMEBA resin**

pp 4979–4983

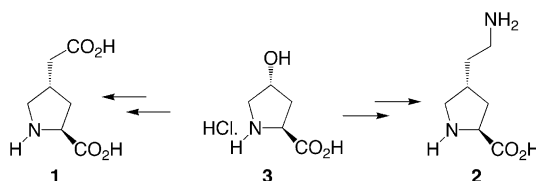
Moon-Kook Jeon, Dong-Su Kim, Hyun Ju La and Young-Dae Gong*



Facile syntheses of conformationally constrained analogues of lysine and homoglutamic acid

pp 4985–4987

Salim Barkallah, Stephen L. Schneider and Dewey G. McCafferty*

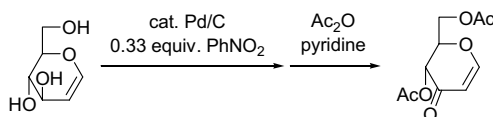


A facile divergent synthesis of the novel amino acid *trans*-4-aminoethyl-L-proline and *trans*-4-carboxymethyl-L-proline from commercially available *trans*-4-hydroxy-L-proline was developed. These conformationally constrained analogues of L-lysine and L-homoglutamic acid are useful proline templated amino acids (PTAAs) with potential applications in protein engineering and de novo protein design.

**Nitrobenzene as hydrogen acceptor in Pd/C-catalyzed hydrogen transfer reaction**

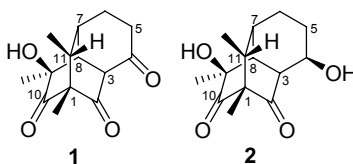
pp 4989–4991

Takanori Tanaka, Hirotohi Kawabata and Masahiko Hayashi*

**Penicillones A and B, two novel polyketides with tricyclo [5.3.1.0^{3,8}] undecane skeleton, from a marine-derived fungus *Penicillium terrestre***

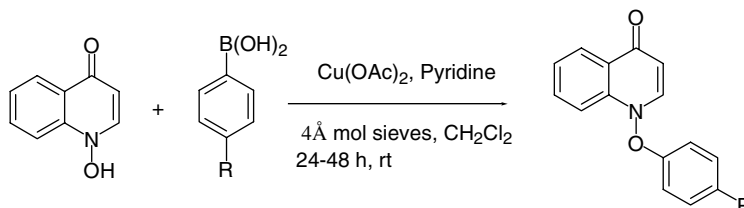
pp 4993–4996

Weizhong Liu, Qianqun Gu,* Weiming Zhu,* Chengbin Cui, Guotao Fan, Tianjiao Zhu, Hongbing Liu and Yuchun Fang

**Synthesis of phenoxyquinolin-4(1*H*)-one through copper(II)-mediated cross-coupling of phenylboronic acid and hydroxyquinolin-4(1*H*)-one**

pp 4997–4999

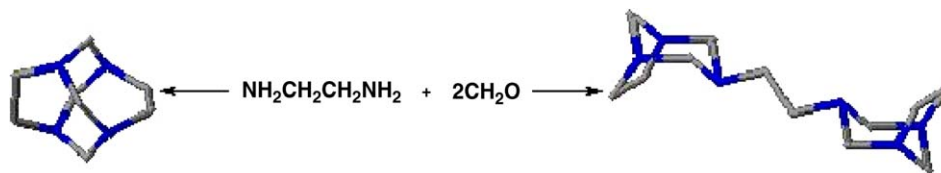
Zhaolin Wang* and John Zhang



An unusual product obtained from condensation between ethylenediamine and formaldehyde in basic medium

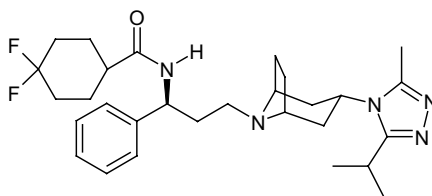
pp 5001–5004

Augusto Rivera* and Jaime Ríos-Motta

**Initial synthesis of UK-427,857 (Maraviroc)**

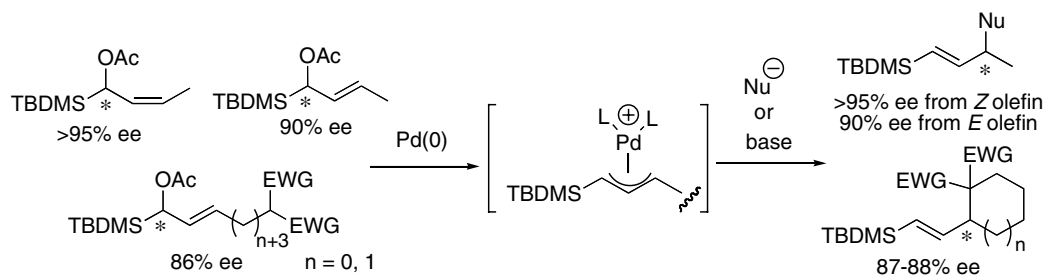
pp 5005–5007

David A. Price,* Simon Gayton, Matthew D. Selby, Jens Ahman, Sarah Haycock-Lewandowski, Blanda L. Stammen and Andrew Warren

**Palladium-catalyzed allylic alkylation of optically active α -alkenyl- α -acyloxytrialkylsilane**

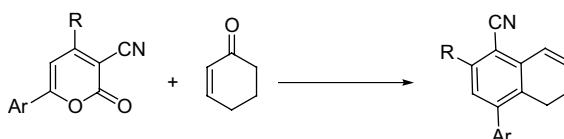
pp 5009–5012

Kazuhiko Sakaguchi,* Takeshi Yamada and Yasufumi Ohfuné*

**A one-pot efficient synthesis of highly functionalized 5,6-dihydronaphthalenes from 2H-pyran-2-one**

pp 5013–5015

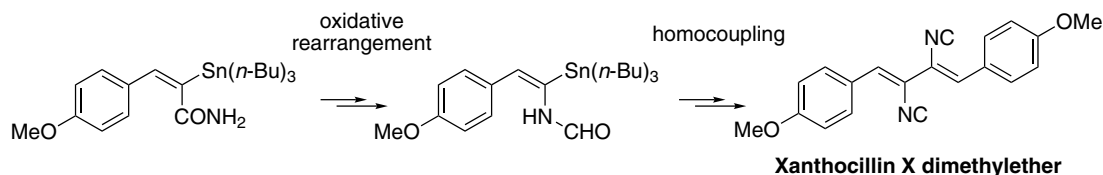
Diptesh Sil and Vishnu Ji Ram*



The first stereoselective total synthesis of antiviral antibiotic, xanthocillin X dimethylether and its stereoisomer

pp 5017–5020

Kuniaki Tatsuta* and Takahiro Yamaguchi


An unexpected base-induced rearrangement of tritylamine

pp 5021–5023

Vassiliki Theodorou* and Konstantinos Skobridis

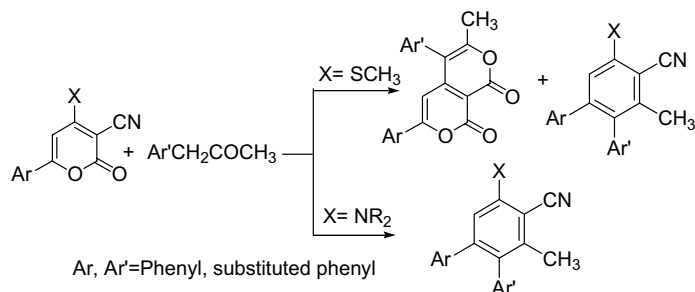


An unexpected rearrangement was observed during the treatment of tritylamine with *n*-butyllithium, leading to the formation of an imine.

Substituent dependent regioselective synthesis of pyranopyrandiones and 1,2-teraryls from 2H-pyran-2-ones

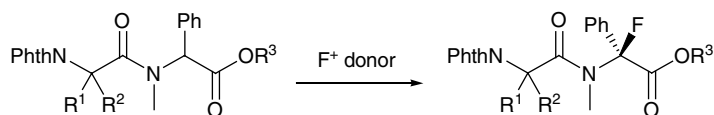
pp 5025–5027

Ramendra Pratap, Diptesh Sil and Vishnu Ji Ram*


Enantioselective and diastereoselective synthesis of fluorinated dipeptides by late electrophilic fluorination

pp 5029–5031

Barbara Mohar, Damjan Sterk, Laurent Ferron and Dominique Cahard*

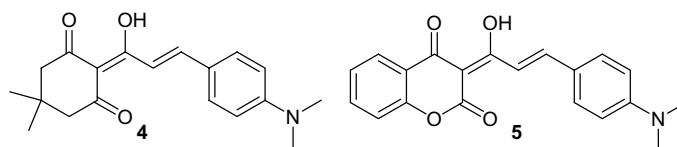


Asymmetric synthesis of fluorinated dipeptides by electrophilic fluorination occurs with up to 73:27 enantiomeric ratio and high >98:2 diastereomeric ratio. This constitutes the first example of a direct electrophilic fluorination of dipeptides.

Synthesis of novel triketone-based acidichromic colorants

pp 5033–5037

Ching-Tsan Lin, Jen-Hao Shih, Chung-Ling Chen and Ding-Yah Yang*

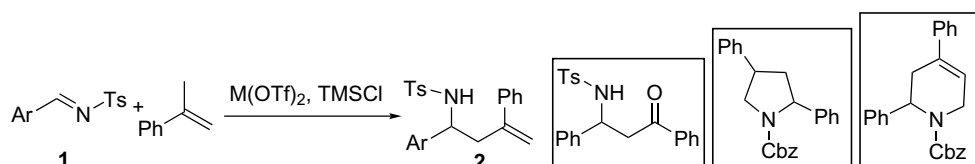


Two novel acidichromic colorants **4** and **5** have been designed and synthesized by introducing a pH-sensitive triketone functional group to an aromatic amine-containing molecule. Both **4** and **5** exhibit the reversible color changes from red to yellow under high pH conditions and to colorless under low pH conditions.

Imino-ene reaction of *N*-tosyl arylaldimines with α -methylstyrene: application in the synthesis of important amines

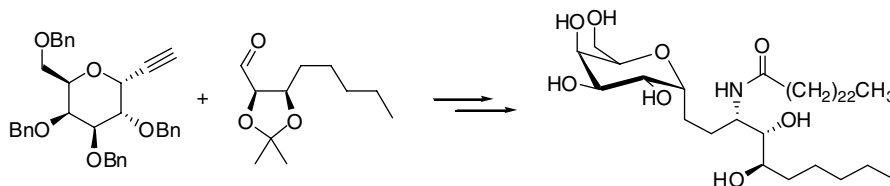
pp 5039–5041

Manoj K. Pandey, Alakesh Bisai, Ankur Pandey and Vinod K. Singh*

**A concise synthesis of (3*S*,4*S*,5*R*)-1-(α -D-galactopyranosyl)-3-tetracosanoylamino-4,5-decanediol, a C-glycoside analogue of immunomodulating α -galactosylceramide OCH**

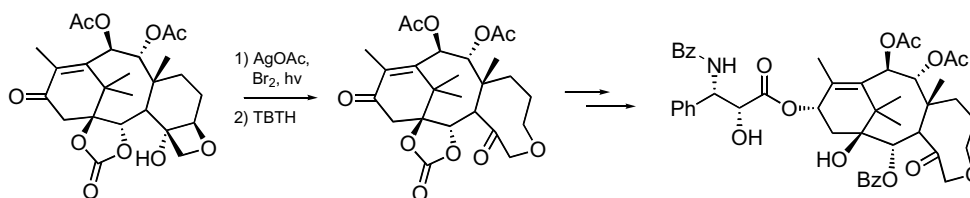
pp 5043–5047

Tetsuya Toba, Kenji Murata, Takashi Yamamura, Sachiko Miyake and Hirokazu Annoura*

**Synthesis, biological evaluation, and modeling of a C,*D*-seco-taxoid**

pp 5049–5052

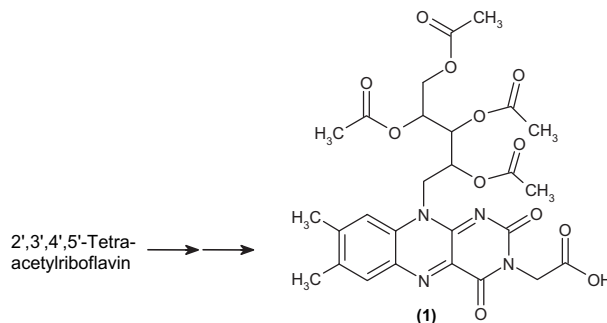
Zorana Ferjancic, Radomir Matovic, Zivorad Cekovic, James P. Snyder and Radomir N. Saicic*



2',3',4',5'-Tetraacetyl-*N*(3)-carboxymethylriboflavin derivatives: synthesis and fluorescence studies

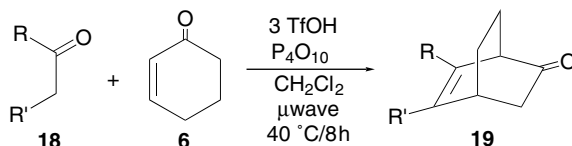
pp 5053–5056

Christian Banekovich and Barbara Matuszczak*

**Synthesis of bicyclo[2.2.2]oct-5-en-2-ones via a tandem intermolecular Michael addition intramolecular aldol process (a bridged Robinson annulation)**

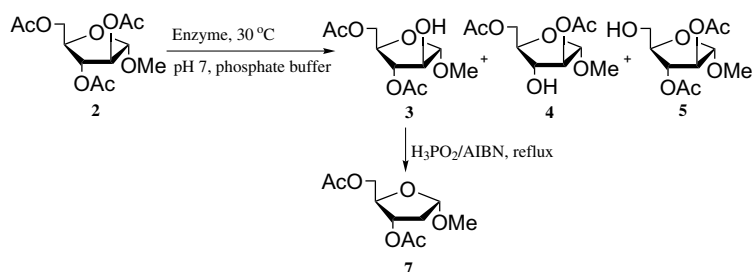
pp 5057–5061

Michael E. Jung* and Andreas Maderna

Bicyclo[2.2.2]oct-5-en-2-ones **19** can be made in a one-pot process from ketones **18** and cyclohexenone **6** in strong acid.**Selective monodeacetylation of methyl 2,3,5-tri-*O*-acetyl-*D*-arabinofuranoside using biocatalyst**

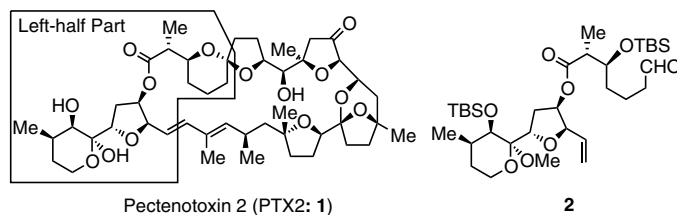
pp 5063–5065

Sook Jin Jun, Man Sik Moon, So Ha Lee, Chan Seong Cheong* and Kwan Soo Kim

**Synthesis of the common left-half part of pectenotoxins**

pp 5067–5069

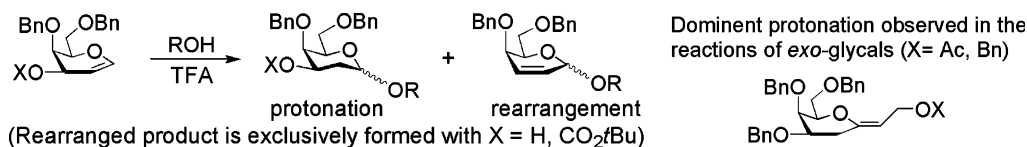
Kenshu Fujiwara,* Masanori Kobayashi, Fuyuki Yamamoto, Yu-ichi Aki, Mariko Kawamura, Daisuke Awakura, Seiji Amano, Azusa Okano, Akio Murai, Hidetoshi Kawai and Takanori Suzuki



Different reaction routes found in acid-catalyzed glycosylation of *endo*- and *exo*-glycals: competition between Ferrier rearrangement and protonation

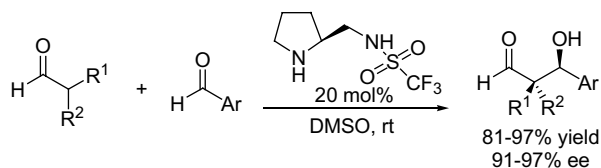
pp 5071–5076

Hui-Chang Lin, Wen-Ping Du, Chih-Chun Chang and Chun-Hung Lin*

**Direct, pyrrolidine sulfonamide promoted enantioselective aldol reactions of α,α -dialkyl aldehydes: synthesis of quaternary carbon-containing β -hydroxy carbonyl compounds**

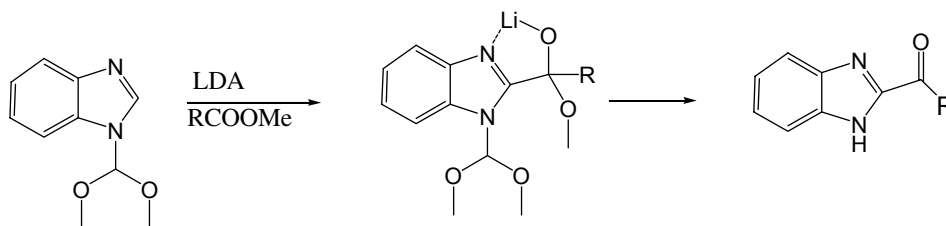
pp 5077–5079

Wei Wang,* Hao Li and Jian Wang

**Why are benzimidazoles efficiently acylated with esters? Identification of a tetrahedral hemiacetal alkoxide intermediate**

pp 5081–5084

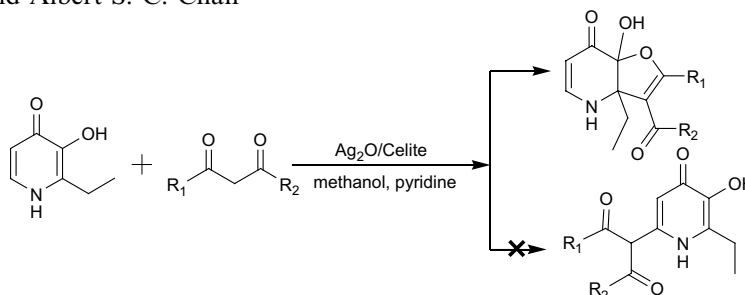
Ken-ichi Asakawa, J. J. Dannenberg, Kenneth J. Fitch, Stan S. Hall, Chie Kadowaki, Sandor Karady,* Satoshi Kii, Kenji Maeda, Benjamin F. Marcune, Toshiaki Mase, Ross A. Miller,* Robert A. Reamer* and David M. Tschaen

**Synthesis of novel dihydrofuro[*b*]-pyridinone derivatives: oxidation coupling of 3-hydroxy-4(1*H*)-pyridinone with β -dicarbonyl compounds**

pp 5085–5088

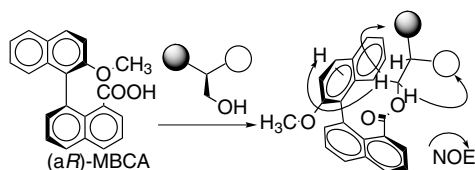
Li-Xia Pei, Shi-Liang Huang, Yu-Dong Shen, Lin-Qun An, Zhi-Shu Huang, Yue-Ming Li, Lian-Quan Gu, Xian-Zhang Bu* and Albert S. C. Chan

Several novel dihydrofuro[*b*]-pyridinone derivatives were synthesized via oxidation coupling of β -dicarbonyl compounds with 3-hydroxy-4(1*H*)-pyridinone.



NMR determination of the absolute configuration of β -chiral primary alcohols**pp 5089–5093**

Hiroki Fukui, Yukiharu Fukushi* and Satoshi Tahara

**OTHER CONTENTS**

Corrigendum

p 5095

Corrigendum

p 5097

Contributors to this issue

p I

Instructions to contributors

pp III–VI

*Corresponding author

i* Supplementary data available via ScienceDirect

Full text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.**CONTENTS**
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