

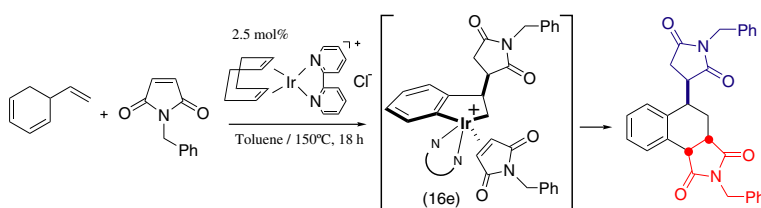
Contents

COMMUNICATIONS

Iridium-catalyzed double incorporation reaction of *N*-benzylmaleimide to styrene via *ortho*-C–H bond activation, initiated by precoordination of the double bond of styrene to iridium

pp 4279–4282

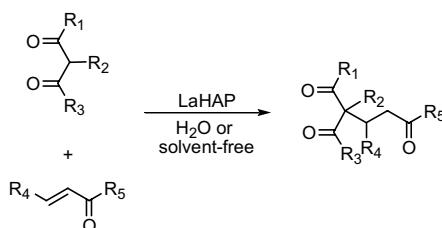
Syun-ichi Kiyooka* and Yushi Takeshita



Michael reaction of 1,3-dicarbonyls with enones catalyzed by a hydroxyapatite-bound La complex

pp 4283–4286

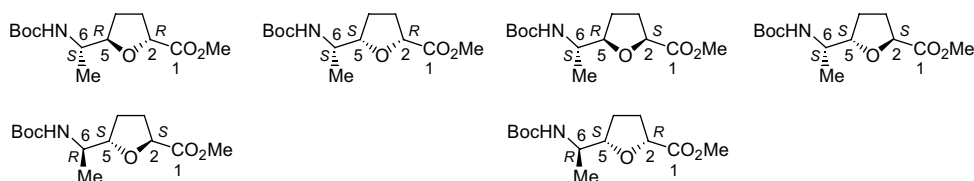
Kohsuke Mori, Michitaka Oshiba, Takayoshi Hara, Tomoo Mizugaki, Kohki Ebitani and Kiyotomi Kaneda*



Stereoselective synthesis of the various isomers of 3,4-dideoxy furanoid sugar amino acids with methyl substitution at the C6 position

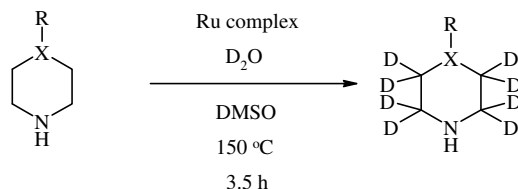
pp 4287–4290

Tushar Kanti Chakraborty* and Gangarajula Sudhakar



One-step exchange-labelling of piperidines, piperazines and dialkylamines with deuterium oxide: catalysis by various ruthenium complexes

pp 4291–4293

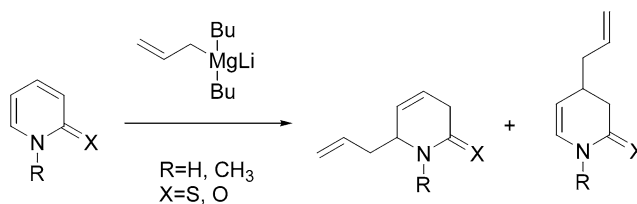
 Efsthios Alexakis, Michael J. Hickey, John R. Jones, Lee P. Kingston, William J. S. Lockley,*
 Andrew N. Mather, Traci Smith and David J. Wilkinson


R = Various aryl and alkyl groups
 X = N or CH

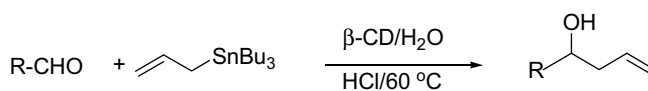
Reductive allylation of 1H-pyridine-2-(thio)ones by means of the novel lithium allyldibutylmagnesium reagent

pp 4295–4298

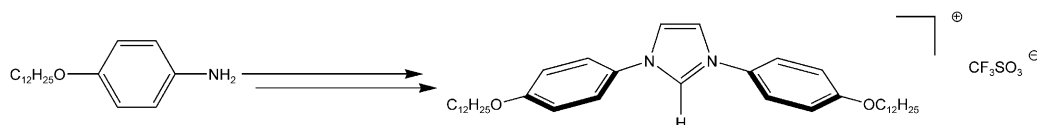
Jacek G. Sośnicki


 β -Cyclodextrin promoted allylation of aldehydes with allyltributyltin under supramolecular catalysis in water

pp 4299–4301

 N. Srilakshmi Krishnaveni, K. Surendra, V. Pavan Kumar, B. Srinivas, C. Suresh Reddy
 and K. Rama Rao*

A new liquid crystal compound based on an ionic imidazolium salt

pp 4303–4305

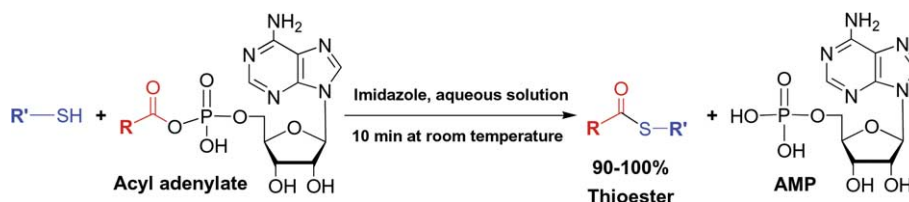
 Jean-Moïse Suisse, Stéphane Bellemin-Laponnaz, Laurent Douce,* Aline Maise-François
 and Richard Welter


This imidazolium salt exhibits a lamellar liquid crystal mesophase.

A simple and efficient method to prepare thioesters in aqueous solutions

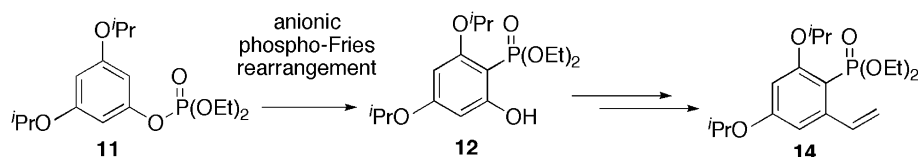
pp 4307–4310

Tricia M. Coleman, Na Li and Faqing Huang*

**Synthesis of a tetrasubstituted arylphosphonate via the anionic phospho-Fries rearrangement**

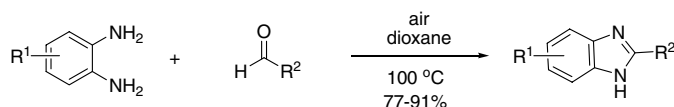
pp 4311–4313

Krishanthi P. Jayasundera, Amy J. Watson and Carol M. Taylor*

**A simple and efficient procedure for the synthesis of benzimidazoles using air as the oxidant**

pp 4315–4319

Songnian Lin* and Lihu Yang

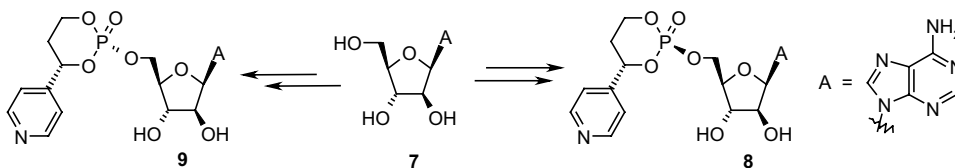


Direct one-step synthesis of various benzimidazoles from phenylenediamines and aldehydes is described using air as the oxidant. The salient features of this method include a simple procedure, mild conditions, no coupling agents or commercial oxidants/additives used, no waste produced (only by-product being water), easy purification, and high generality.

Stereoselective synthesis of nucleoside monophosphate HepDirect™ prodrugs

pp 4321–4324

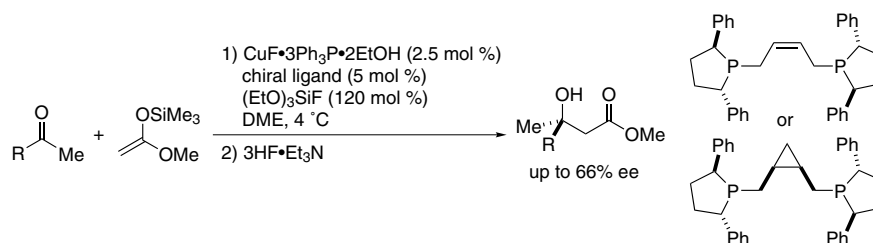
K. Raja Reddy,* Serge H. Boyer and Mark D. Erion



New chiral bis(diphenylphospholane) ligands: design, synthesis, and application to catalytic enantioselective aldol reaction to ketones

pp 4325–4329

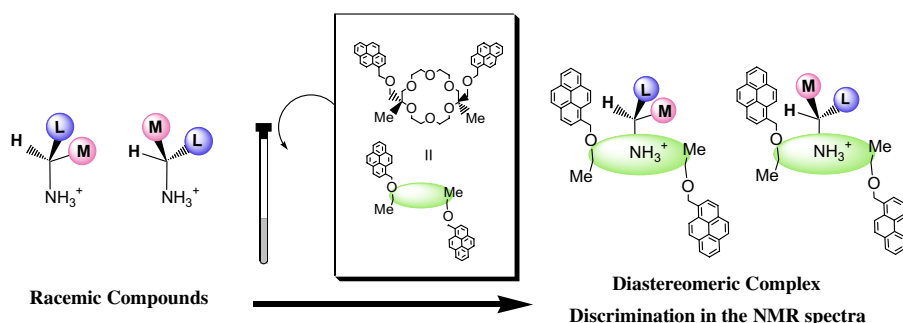
Kounosuke Oisaki, Dongbo Zhao, Yutaka Suto, Motomu Kanai* and Masakatsu Shibasaki*



Novel C_2 -symmetric chiral 18-crown-6 derivatives with two aromatic sidearms as chiral NMR discriminating agents

pp 4331–4335

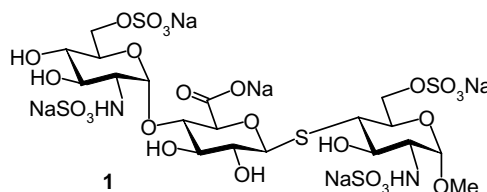
Yohji Nakatsuji,* Yoshio Nakahara, Akiko Muramatsu, Toshiyuki Kida and Mitsuru Akashi*



Synthesis of a *S*-linked heparan sulfate trisaccharide as the substrate mimic of heparanase

pp 4337–4340

Hongzhi Cao and Biao Yu*

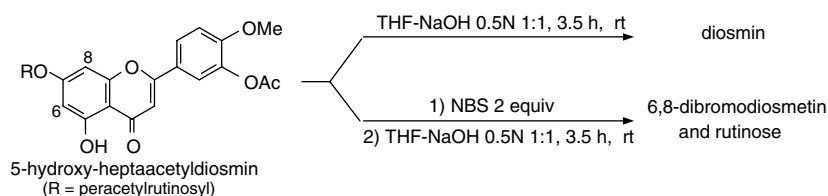


An approach to the construction of the β -(1 \rightarrow 4)-*S*-linkage between a glucuronic and a glucosamine unit, and then to the synthesis of a heparan sulfate trisaccharide containing such a linkage (1) as a nonhydrolyzable substrate mimic of heparanase was developed.

Mild alkaline hydrolysis of some 7-*O*-flavone glycosides. Application to a novel access to rutinose heptaacetate

pp 4341–4343

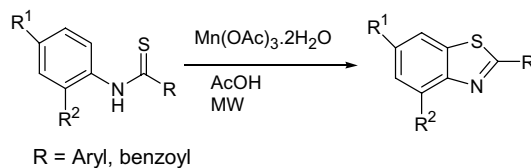
Jérôme Quintin and Guy Lewin*



Mn(III)-promoted cyclization of substituted thioformanilides under microwave irradiation: a new reagent for 2-substituted benzothiazoles

pp 4345–4347

Xue-Jun Mu, Jian-Ping Zou,* Run-Sheng Zeng and Jun-Chen Wu

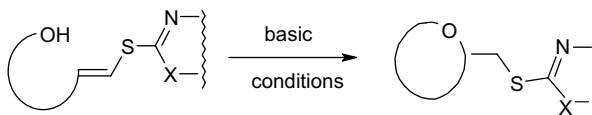


Manganese triacetate is introduced as a new reagent to replace potassium ferricyanide or bromine for radical cyclization of thioformanilides. 2-Substituted benzothiazoles are generated in 6 min under microwave irradiation.

**Regioselective Michael-induced cyclisation of γ - and δ -hydroxy vinyl sulfides and vinyl dithiocarbamates**

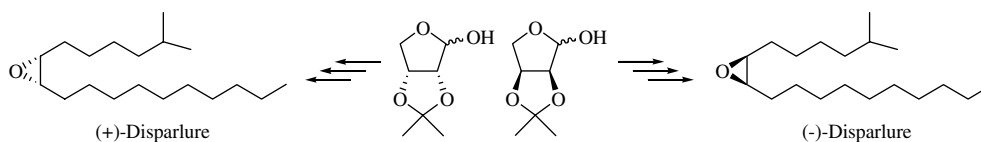
pp 4349–4352

V. Aucagne, C. Lorin, A. Tatibouët and P. Rollin*

**A short and efficient synthesis of (+)-disparlure and its enantiomer**

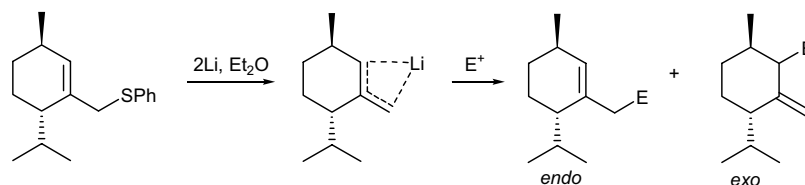
pp 4353–4355

Alexandros E. Koumbis* and Demetrios D. Chronopoulos

**Medium-dependent lithiated side products in the reductive lithiation of allylic phenyl thioethers. Diethyl ether versus tetrahydrofuran**

pp 4357–4360

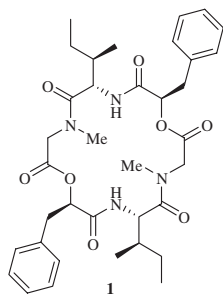
Constantinos G. Screttas,* Georgios A. Heropoulos, Maria Micha-Screttas and Barry R. Steele



Total synthesis of hirsutellide A

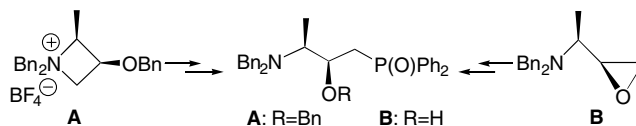
pp 4377–4379

Yanjie Xu, Ligong Chen, Xuemin Duan, Yi Meng, Liqin Jiang, Meiling Li, Guangle Zhao and Yang Li*

The total synthesis of hirsutellide A **1** was described.**Stereocontrolled synthesis of 3-amino-2-hydroxyalkyl diphenylphosphine oxides mediated by chiral azetidinium salts and epoxyamines**

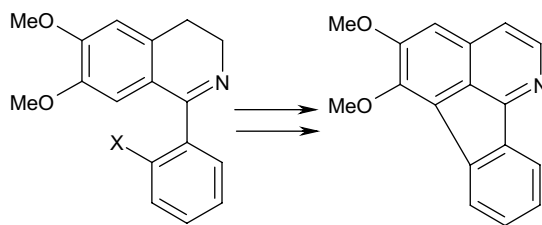
pp 4381–4384

Bożena Krawiecka and Agata Jeziorna*

**Photocyclization of 1-(2-halophenyl)-3,4-dihydro-6,7-dimethoxyisoquinolines: a short and new synthesis of triclisine**

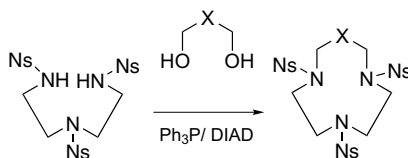
pp 4385–4386

M. M. V. Ramana,* R. H. Sharma and J. A. Parihar

**Synthesis of azamacrocycles via a Mitsunobu reaction**

pp 4387–4389

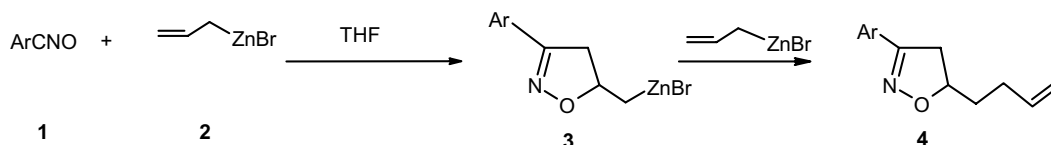
Jari Hovinen* and Reijo Sillanpää



Domino addition of allylzinc bromide to nitrile oxides: synthesis of 5-butenylisoxazolines

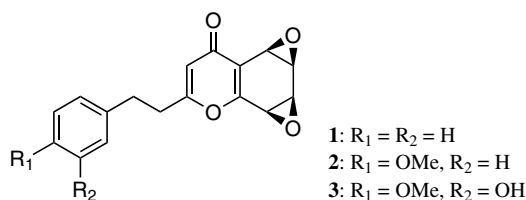
pp 4391–4393

Naveed A. Qazi, H. M. Sampath Kumar* and S. C. Taneja

**Three novel diepoxy tetrahydrochromones from agarwood artificially produced by intentional wounding**

pp 4395–4398

Toru Yagura, Naomi Shibayama, Michiho Ito, Fumiyuki Kiuchi and Gisho Honda*

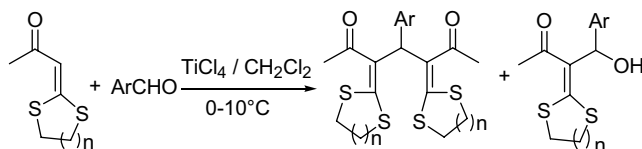


Three novel diepoxy tetrahydrochromones, oxidoagarochromones A (1), B (2), and C (3), were isolated from intentionally wounded agarwood and they are considered to be produced at the early stage of agarwood formation.

A C–C bond formation reaction at the α -carbon atom of α -oxo ketene dithioacetals via the Baylis–Hillman type reaction

pp 4399–4402

Yan-Bing Yin, Mang Wang,* Qun Liu,* Jiang-Lei Hu, Shao-Guang Sun and Jing Kang

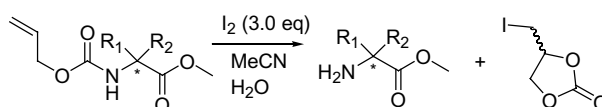


The first example of TiCl_4 -mediated Baylis–Hillman type reaction of α -acetyl cyclic ketene dithioacetals with arylaldehydes was described. This methodology adds a new entry to the C–C bond formation at the α -carbon atom of α -oxo ketene dithioacetals.

Mild non-transition metal catalyzed deprotection of *N*-allyloxycarbonyl amines

pp 4403–4405

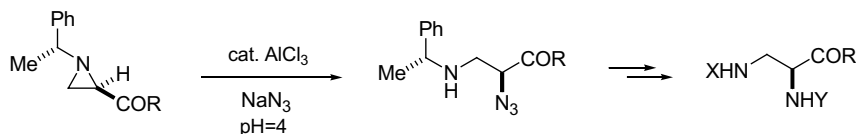
Ronald H. Szumigala, Jr.,* Ekama Onofiok, Sandor Karady, Joseph D. Armstrong, III and Ross A. Miller*



Preparation of 2,3-diaminopropionate from ring opening of aziridine-2-carboxylate

pp 4407–4409

Yongeun Kim, Hyun-Joon Ha,* Kyusung Han, Seung Whan Ko, Hoseop Yun, Hyo Jae Yoon, Min Sung Kim and Won Koo Lee*

**DMSO-triggered enhancement of enantioselectivity in Novozyme[435]-catalyzed transesterification of chiral 1-phenylethanols**

pp 4411–4413

Amrit Goswami* and Jonali Goswami

**OTHER CONTENTS**Contributors to this issue
Instructions to contributorsp I
pp III–VI

*Corresponding author

📄⁺ Supplementary data available via ScienceDirect**COVER**

The cover picture shows a self-organized lamellar mesophase (Smectic A) formed from an imidazolium salt with alkyl tails. Ionic liquids incorporating imidazolium cations are the most extensively studied group of such materials due to their excellent solvent properties, thermal stability, negligible vapour pressure, high conductivity and electrochemical stability. Where a liquid-crystalline or mesomorphic state can be induced by supramolecular interactions, numerous applications such as in displays, sensors, actuators and even artificial muscles can be envisaged. This article deals with such prospects in considering the convergence of the chemistry of mesophases and ionic liquids. *Tetrahedron Letters* **2005**, 46, 4303–4305.

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