

Tetrahedron Letters Vol. 46, No. 2, 2005

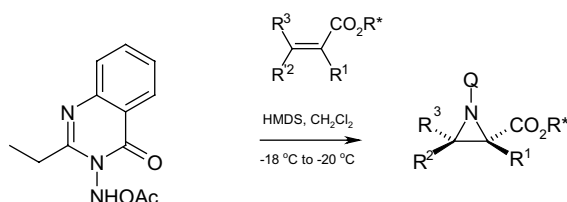
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COMMUNICATIONS

Substrate-controlled diastereoselective aziridination of alkenes using 3-acetoxyaminoquinazolinone in the presence of hexamethyldisilazane

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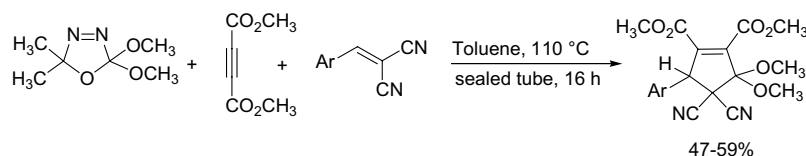
Sabri Ulukanli,* Semistan Karabuga, Ayhan Celik and Cavit Kazaz



The multicomponent reaction of dimethoxycarbene, dimethyl butynedioate and electrophilic styrenes: an unprecedented synthesis of highly substituted cyclopentenone acetals

pp 201–203

Vijay Nair,* P. B. Beneesh, V. Sreekumar, S. Bindu, Rajeev S. Menon and Ani Deepthi

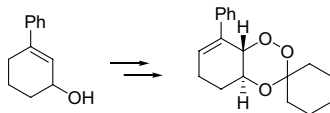


A novel multicomponent reaction involving dimethoxycarbene, dimethyl butynedioate and arylidenemalononitriles leading to a facile synthesis of highly substituted cyclopentenone acetals is described.

Photooxygenation of 3-aryl-2-cyclohexenols: synthesis of a new series of antimalarial 1,2,4-trioxanes

pp 205–207

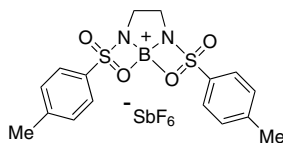
Chandan Singh,* Nitin Gupta and Sunil K. Puri



The first *N,N'*-ditosyl-substituted cyclic boron cation, stabilized by neighboring-group participation by two sulfonyl groups, and the alternative, stabilized by polar solvents

pp 209–212

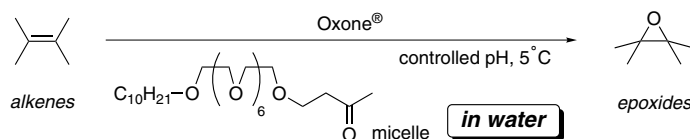
Syun-ichi Kiyooka,* Ryoji Fujiyama, Md. Khabir Uddin, Kazuki Goh, Yoshiya Nagano, Mizue Fujio and Yuho Tsuno



Alternative protocol for oxidation in water: an effective epoxidation system promoted by the combination of Oxone® and an amphiphilic ketone

pp 213–216

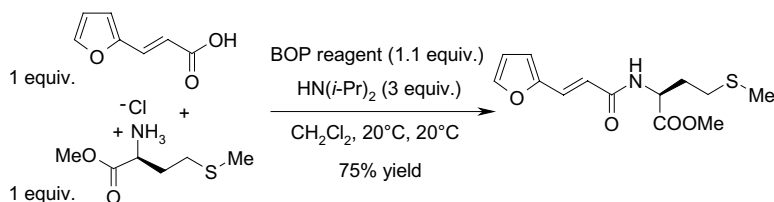
Araki Masuyama,* Takashi Yamaguchi, Manabu Abe and Masatomo Nojima



Efficient peptide coupling method of conjugated carboxylic acids with methyl ester amino acids hydrochloride. Application to the synthesis of Fa-Met, an important enzymatic substrate

pp 217–220

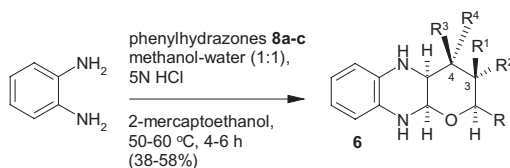
Jean Michel Brunel,* Chanaz Salmi and Yves Letourneux



A novel one-pot two-component synthesis of tricyclic pyrano[2,3-*b*]quinoxalines

pp 221–224

Shyamaprosad Goswami* and Avijit Kumar Adak

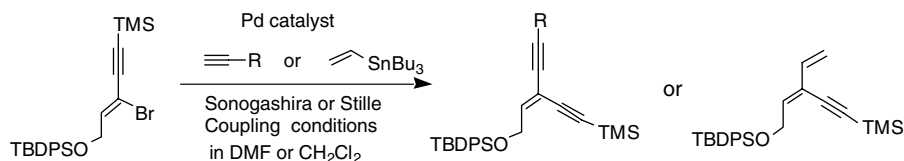


Tricyclic pyrano[2,3-*b*]quinoxalines **6** have been synthesized in one step by the reaction of *o*-phenylenediamine and phenylhydrazone derivatives **8a–c** in good yields.

Pd-catalyzed cross-coupling reaction of (*Z*)- and (*E*)-bromoenyne: unusual stereochemical outcome

pp 225–228

Jun'ichi Uenishi,* Katsuaki Matsui and Masashi Ohmi

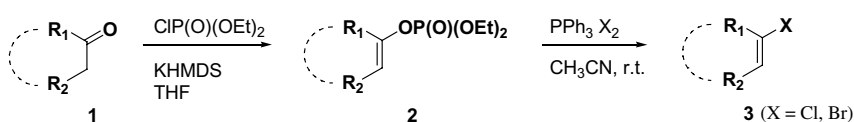


Inversion product in cross-coupling reaction.

**A practical synthetic method for vinyl chlorides and vinyl bromides from ketones via the corresponding vinyl phosphate intermediates**

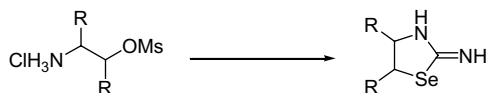
pp 229–232

Katsuhide Kamei,* Noriko Maeda and Toshio Tatsuoka

**Direct synthesis of novel 2-imino-1,3-selenazolidine derivatives from *O*-methanesulfonyl β -amino alcohol hydrochlorides**

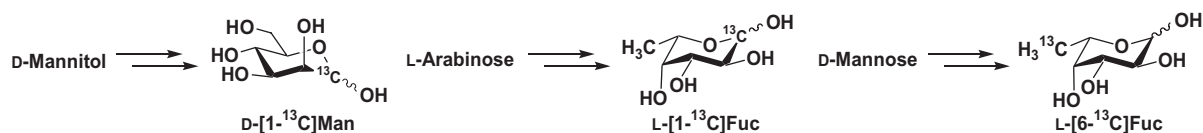
pp 233–236

Shigeo Ueda,* Hideo Terauchi, Kenji Suzuki and Nobuhide Watanabe

A synthetic approach to novel 4,5-dialkylsubstituted 2-imino-1,3-selenazolidine derivatives from *O*-methanesulfonyl β -amino alcohol hydrochlorides using potassium selenocyanate was described.**Practical synthesis of D-[1-¹³C]mannose, L-[1-¹³C] and L-[6-¹³C]fucose**

pp 237–243

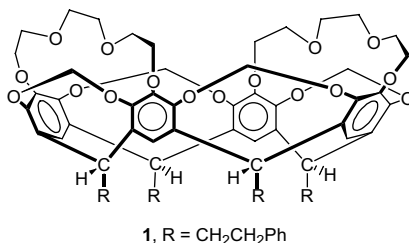
Ken-ichi Sato,* Shoji Akai, Hiroki Youda, Masaru Kojima, Mayumi Sakuma, Shu-ichirou Inaba and Kyota Kurosawa



A new cavitand ionophore bearing two rigid crown ether groups

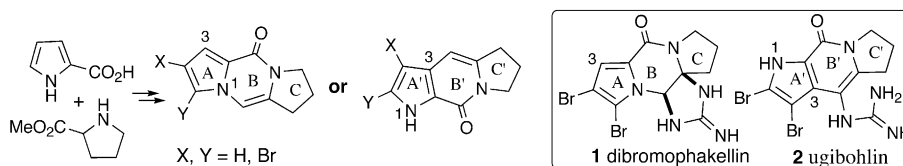
pp 245–248

Aekyung Kang, Sook Kyung Kim, Kensuke Nakamura, Ju Hyun Park, Yeo Joon Yoon, Kap Duk Lee* and Juyoung Yoon*

**Regioselective intramolecular N₁–C₃ cyclizations on pyrrole–proline to ABC tricycles of dibromophakellin and ugibohlin**

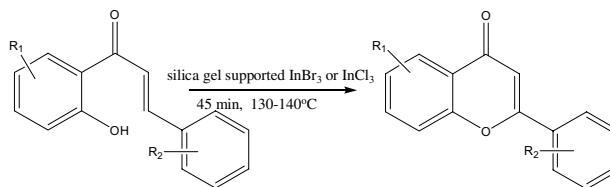
pp 249–252

Nathalie Traver, Marie-Thérèse Martin, Marie-Lise Bourguet-Kondracki and Ali Al-Mourabit*

**Silica gel supported InBr₃ and InCl₃: new catalysts for the facile and rapid oxidation of 2'-hydroxychalcones and flavanones to their corresponding flavones under solvent free conditions**

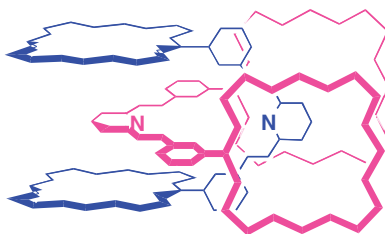
pp 253–256

Naseem Ahmed, Hasrat Ali and Johan E. van Lier*

**Self-complementary bis-porphyrins**

pp 257–260

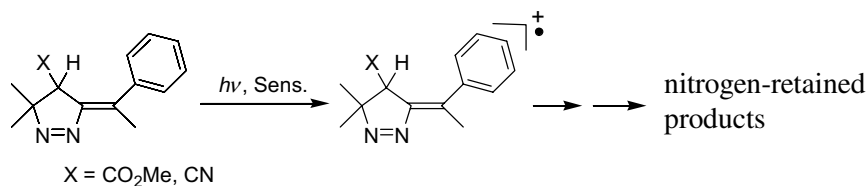
Takeharu Haino,* Takashi Fujii and Yoshimasa Fukazawa*



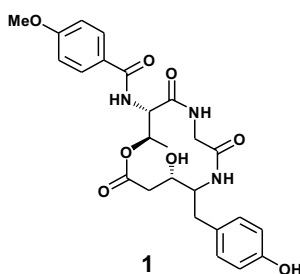
Bis-porphyrins assemble to form the dimers due to the self-complementary nature in organic solution.

Generation and reactions of 3-alkylidene-1-pyrazoline radical cations by photoinduced electron transfer pp 261–265

Takashi Karatsu,* Yoshinori Miyazaki, Yuuki Shimura, Akinori Okayasu,
Takaaki Suzuki, Masaki Higashi, Shiki Yagai and Akihida Kitamura*

**Melleumin A, a novel peptide lactone isolated from the cultured myxomycete *Physarum melleum*** pp 267–271

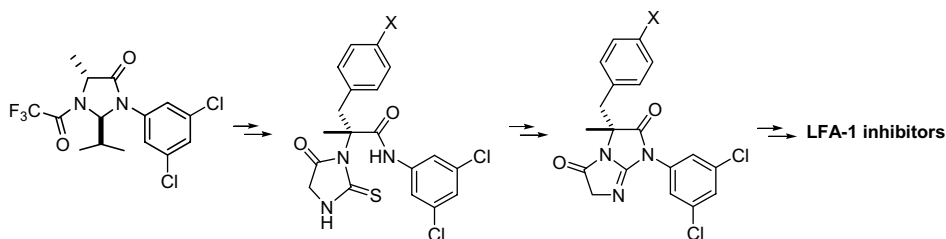
Satomi Nakatani, Kazuaki Kamata, Masaaki Sato, Hiroyuki Onuki, Hiroshi Hirota,
Jun Matsumoto and Masami Ishibashi*



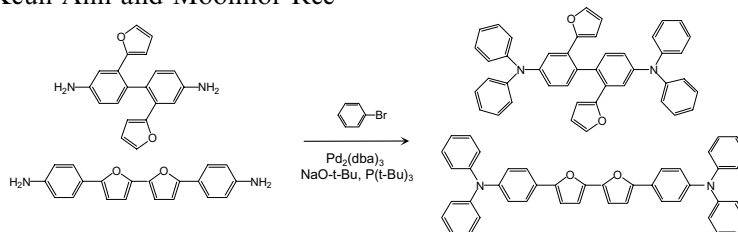
Melleumin A (**1**), a novel peptide lactone, has been isolated from the laboratory-cultured plasmodium of myxomycete *Physarum melleum*, and its structure was elucidated by spectral data.

A practical synthesis of LFA-1 inhibitors utilizing CuCl-promoted intramolecular cyclization of thiohydantoins pp 273–276

Xiao-jun Wang,* Li Zhang, Yibo Xu, Dhileepkumar Krishnamurthy, Richard Varsolona, Laurence Nummy,
Sherry Shen, Rogelio P. Frutos, Denis Byrne, J. C. Chung, Vittorio Farina and Chris H. Senanayake

**Synthesis and characterization of difunctional blue light-emitting molecules containing hole-transporting triphenylamino units** pp 277–279

Jong-Seong Kim, Hung Keun Ahn and Moonhor Ree*

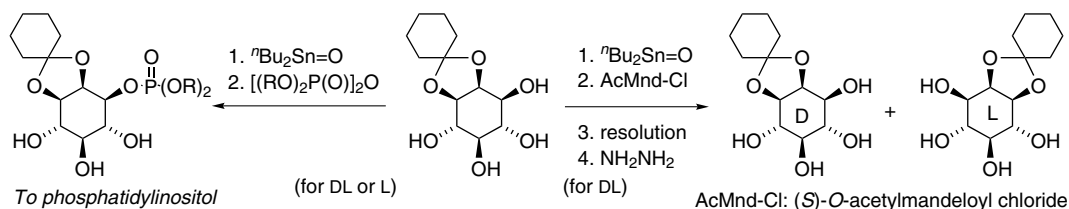


The synthesis and properties of difunctional blue light-emitting molecules containing hole-transporting triphenylamino units, 2,2'-difuryl-4,4'-(*N,N,N',N'*-tetraphenyl)diamino-biphenyl (FurylBz-Ph4) and 5,5'-bis(4-*N,N'*-diphenylamino-phenyl)-2,2'-bifuryl (PFDA-Ph4) are reported.

A stannylene strategy for regioselective acylation and phosphorylation of 1,2-cyclohexylidene-*myo*-inositol. Its convenient resolution and phosphatidylinositol synthesis

pp 281–284

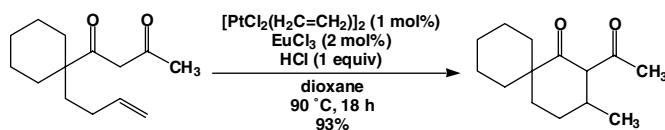
Yutaka Watanabe,* Yoko Kiyosawa, Sayuri Hyodo and Minoru Hayashi



Platinum(II)/europium(III)-catalyzed intramolecular hydroalkylation of 4-pentenyl β -dicarbonyl compounds

pp 285–287

Cong Liu and Ross A. Widenhoefer*



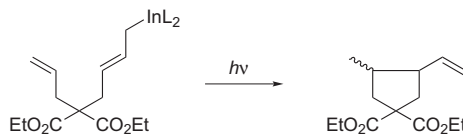
A mixture of $[\text{PtCl}_2(\text{CH}_2=\text{CH}_2)]_2$ (1 mol%), and EuCl_3 (2 mol%) catalyzes the hydroalkylation of 4-pentenyl β -dicarbonyl compounds to form substituted cyclohexanones in moderate to excellent yield with excellent regioselectivity.



Photochemical and radical initiator-induced reaction of allylic indium compounds

pp 289–292

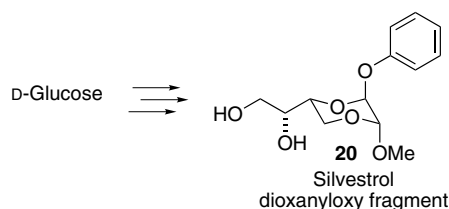
Tsunehisa Hirashita, Jiro Tanaka, Ayumi Hayashi and Shuki Araki*



Biomimetic synthesis of the novel 1,4-dioxanyloxy fragment of silvestrol and episilvestrol

pp 293–295

Mariana El Sous and Mark A. Rizzacasa*

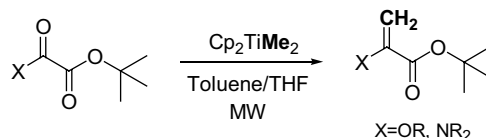


The biomimetic synthesis of the 1,4-dioxanyloxy fragment of silvestrol (**1**) and episilvestrol (**2**) from D-glucose is described.

Microwave-assisted, regioselective, Petasis olefination of unsymmetrical oxalates. Formation of pyruvate-based enol ethers and enamines

pp 297–300

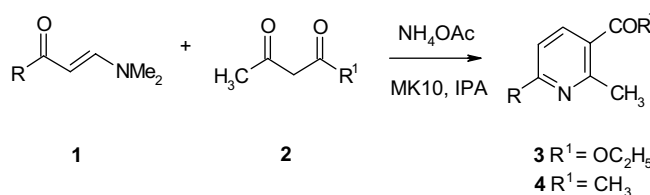
Matthew J. Cook, Declan W. Fleming and Timothy Gallagher*



A facile synthesis of 2,3-disubstituted-6-arylpyridines from enaminones using montmorillonite K10 as solid acid support

pp 301–302

G. Jagath Reddy,* D. Latha, C. Thirupathaiah and K. Srinivasa Rao

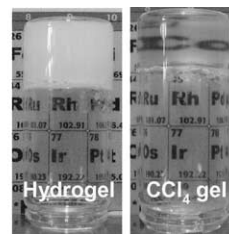
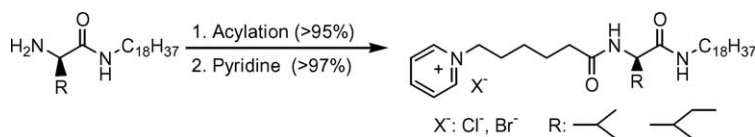


A facile synthesis of 2,3-disubstituted-6-arylpyridines from enaminones using montmorillonite K10 as solid acid support is described.

Supramolecular hydrogels and organogels based on novel L-valine and L-isoleucine amphiphiles

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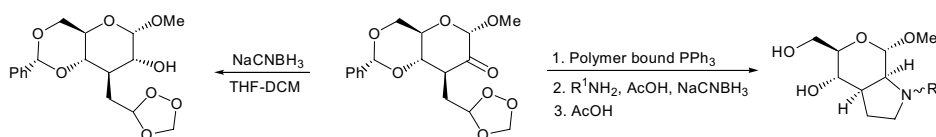
Masahiro Suzuki,* Sanae Owa, Mutsumi Kimura, Akio Kurose, Hirofusa Shirai and Kenji Hanabusa



Ring-closing double reductive amination route to aza-heteroannulated sugars

pp 307–310

Dominic M. Laventine, Michelle Davies, Emma L. Evinson, Paul R. Jenkins,* Paul M. Cullis and John Fawcett

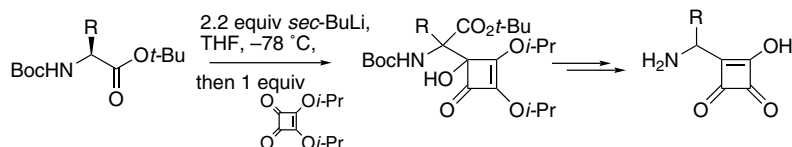


1,4-Dicarbonyl derivatives of glycosides are produced by ozonolysis or Wacker oxidation. A stable ozonide is isolated and a carbonyl group reduced whilst maintaining the ozonide functionality. The 1,4-dicarbonyl compounds are converted to various *N*-substituted pyrrolidines by diastereoselective double reductive amination. The resulting aza-heteroannulated sugars showed no significant inhibition of any glycosidase.

Synthesis of novel amino squaric acids via addition of dianion enolates derived from *N*-Boc amino acid esters

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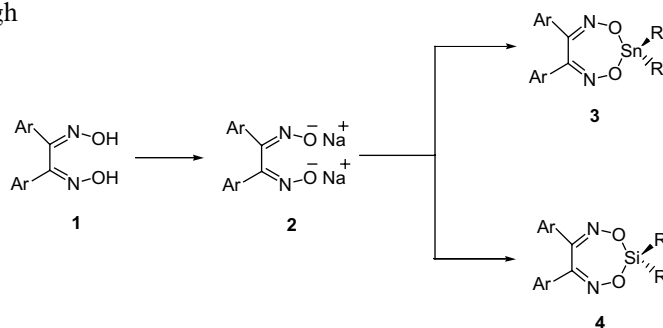
Toshikazu Ishida, Tetsuro Shinada* and Yasufumi Ohfuné*



A novel one-pot procedure for the synthesis of stable dioxadiazastannepines and dioxadiazasilépines

pp 315–317

M. S. Singh* and A. K. Singh



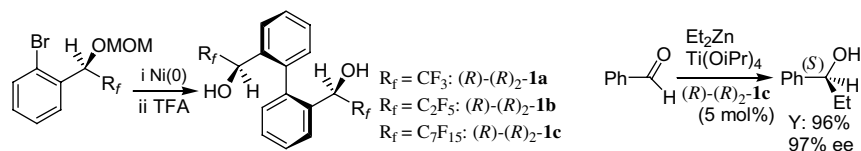
A novel synthetic approach to seven-membered silicon- and tin-containing heterocycles has been developed.



Synthesis of new axially dissymmetric ligand with large perfluoroalkyl groups

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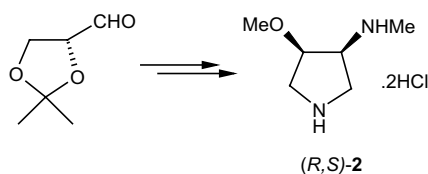
Masaaki Omote, Yuji Nishimura, Kazuyuki Sato, Akira Ando and Isumaro Kumadaki*



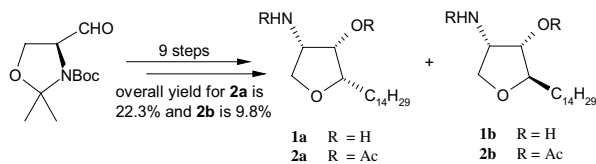
Stereoselective synthesis of (3*R*,4*S*)-3-methoxy-4-methylaminopyrrolidine

pp 323–324

A. Madhan and B. Venkateswara Rao*

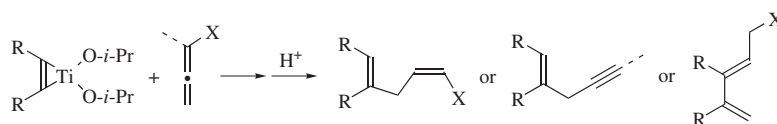


The first synthesis of the anhydrophytosphingosine pachastrissamine (jaspine B) from Garner's aldehyde pp 325–327
 N. Sudhakar, A. Ravi Kumar, A. Prabhakar, B. Jagadeesh and B. Venkateswara Rao*

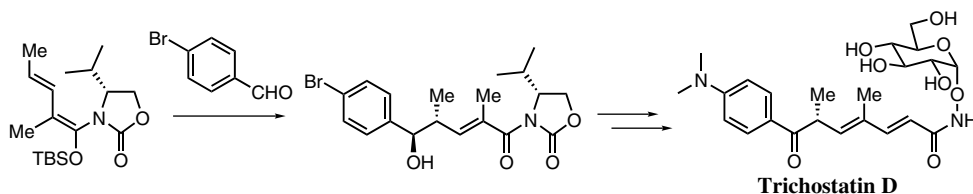


A novel propargyltitanation of acetylenes. Heteroatom substituent-dependent manifold in intermolecular coupling of allene and acetylene pp 329–332

Ryoichi Tanaka, Misa Sasaki, Fumie Sato* and Hirokazu Urabe*

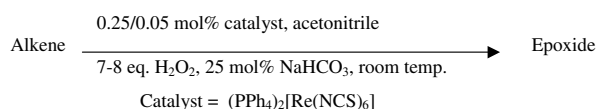


The first total synthesis of trichostatin D pp 333–337
 Seiji Hosokawa,* Takashi Ogura, Hidetaka Togashi and Kuniaki Tatsuta*



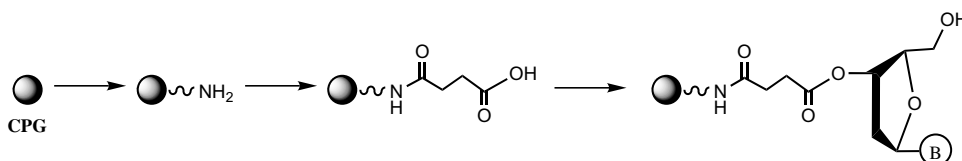
Highly effective peroxidic epoxidation of olefins using hexathiocyanatorhenate(IV) as catalyst and bicarbonate as co-catalyst pp 339–341

Subhajit Dinda, Sujoy Roy Chowdhury, K. M. Abdul Malik and Ramgopal Bhattacharyya*



Microwave-assisted functionalization of solid supports: application in the rapid loading of nucleosides on controlled-pore-glass (CPG) pp 343–347

Seetharamaiyer Padmanabhan,* John E. Coughlin and Radhakrishnan P. Iyer*

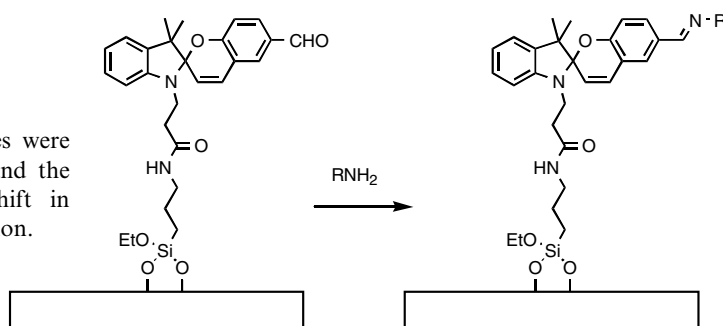


Microwave-assisted rapid, and efficient functionalization of solid support and loading of nucleoside is described.

Monitoring surface reactions optically in a self-assembled monolayer with a photochromic core pp 349–351

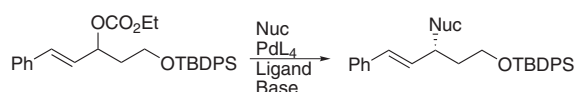
Ming-Hui Yang and Michael C. Biewer*

Photochromic aldehyde-substituted spiropyran molecules were incorporated in a self-assembled monolayer structure and the rate of imine formation was determined by the shift in absorbance for the photomerocyanine upon UV irradiation.



Regioselective palladium-catalyzed allylic alkylations pp 353–355


Ying Dong, Paul Teesdale-Spittle and John O. Hoberg*



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*Corresponding author

 Supplementary data available via ScienceDirect

COVER

At the heart of the total synthesis of trichostatin D, an inducer of phenotypic reversion in oncogene-transformed cells, are the remote stereoinduction with the chiral silyl ketene-*N,O*-acetal and glycosylation under the Mitsunobu conditions. *Tetrahedron Letters* **2005**, 46, 333–337.

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