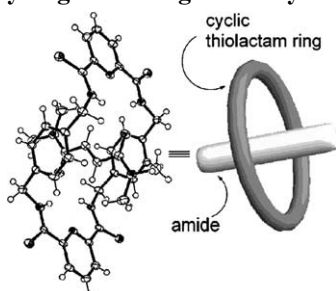


Contents

COMMUNICATIONS

Construction of new [2]pseudorotaxanes by hydrogen bonding assembly of macrocyclic tetrathiolactam with amides and an ester pp 4603–4606

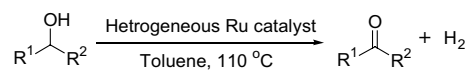
Yoshihiko Inoue, Takaki Kanbara* and Takakazu Yamamoto*



[2]Pseudorotaxanes constructed from a new macrocyclic tetrathiolactam with diamides and a diester bearing no stopper group as a neutral guest have been isolated by a facile threading process.

Heterogeneous Shvo-type ruthenium catalyst: dehydrogenation of alcohols without hydrogen acceptors pp 4607–4610

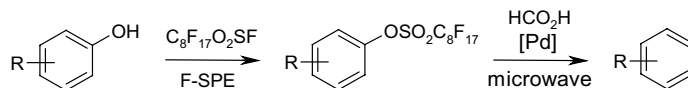
Jun Ho Choi, Namdu Kim, Yong Jun Shin, Jung Hye Park and Jaiwook Park*



A Shvo-type diruthenium catalyst was heterogenized by a sol-gel process, which was effective in the dehydrogenation of aliphatic alcohols as well as aromatic ones in the absence of hydrogen acceptors.

A traceless perfluorooctylsulfonyl tag for deoxygenation of phenols under microwave irradiation pp 4611–4613

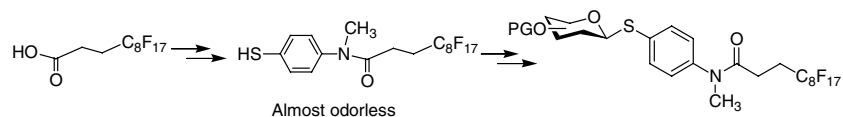
Wei Zhang,* Tadamichi Nagashima, Yimin Lu and Christine Hiu-Tung Chen



Fluorous thiols in oligosaccharide synthesis

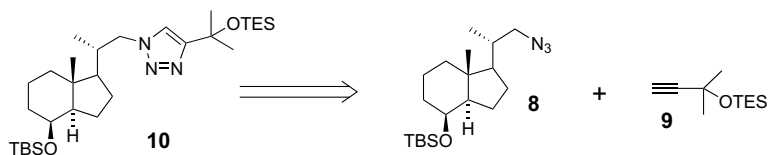
pp 4615–4618

Yuqing Jing and Xuefei Huang*

**Vitamin D and click chemistry. Part 1: A stereoselective route to vitamin D analogues with triazole rings in their side chains**

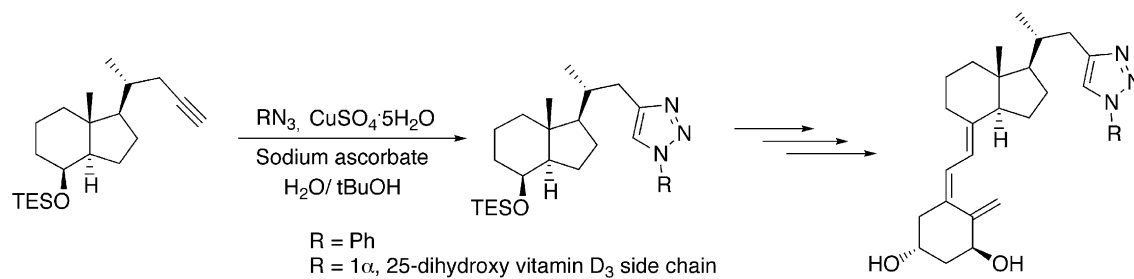
pp 4619–4621

Pedro Lois Suarez, Zoila Gándara, Generosa Gómez and Yagamare Fall*

**Vitamin D side chain triazole analogs via cycloaddition 'click' chemistry**

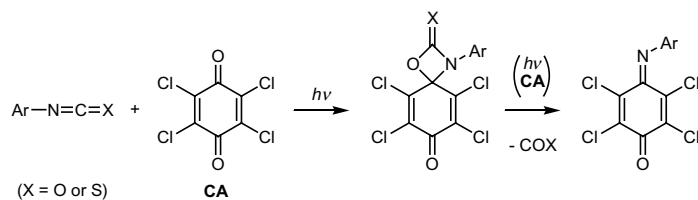
pp 4623–4625

Byung-Chul Suh, HeungBae Jeon, Gary H. Posner* and Steven M. Silverman

**Quinone imine dye formation via photocycloaddition between isocyanates and chloranil**

pp 4627–4630

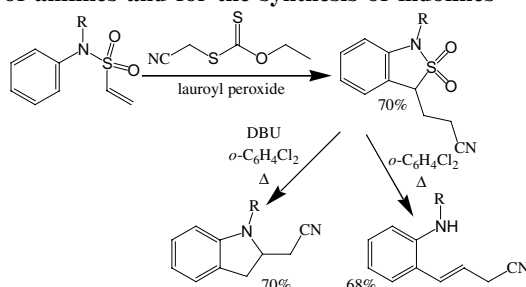
Kan Wakamatsu*



A new approach for the *ortho*-substitution of anilines and for the synthesis of indolines

pp 4631–4634

Cécile Moutrille and Samir Z. Zard*

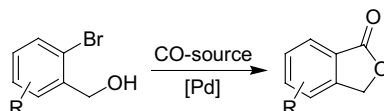


Intermolecular radical addition of a xanthate to a vinyl sulfanilide is followed by ring closure to the aromatic ring to give a dihydrobenzothiazole dioxide structure, which upon heating loses sulfur dioxide to give a 2-substituted aniline; in some examples, the presence of DBU during heating induces the formation of an indoline.

Fast microwave promoted palladium-catalyzed synthesis of phthalides from bromobenzyl alcohols utilizing DMF and Mo(CO)₆ as carbon monoxide sources

pp 4635–4638

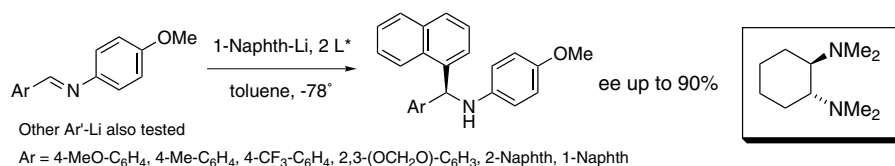
Xiongyu Wu, A. K. Mahalingam, Yiqian Wan and Mathias Alterman*



Enantioselective addition of aryllithium reagents to aromatic imines mediated by 1,2-diamine ligands

pp 4639–4642

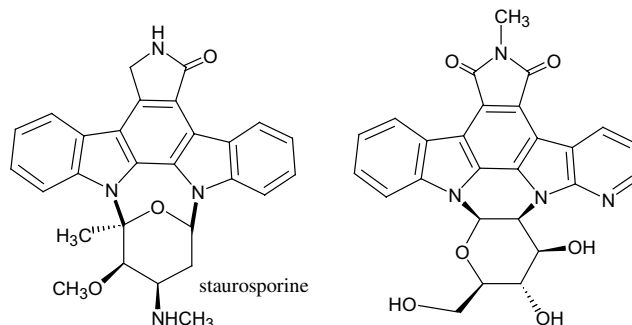
Noemi Cabello, Jean-Claude Kizirian and Alexandre Alexakis*



Synthesis of a staurosporine analogue possessing a 7-azaindole unit instead of an indole moiety

pp 4643–4647

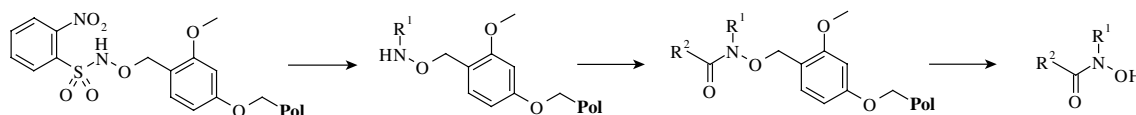
Samir Messaoudi, Fabrice Anizon, Bruno Pfeiffer, Roy Golsteyn and Michelle Prudhomme*



General methodology for solid-phase synthesis of *N*-alkyl hydroxamic acids

pp 4649–4652

Viktor Krchňák* and Greg A. Slough

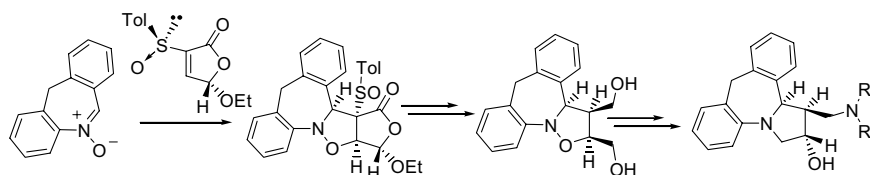


N-Alkylation of polymer-supported *N*-benzyloxy-2-nitrobenzenesulfonamides represents a useful route to *N*-alkyl hydroxamic acids.

Asymmetric 1,3-dipolar reactions of 3-sulfinylfuran-2(5*H*)-ones with 11*H*-dibenzo[*b*,*e*]azepine 5-oxide. Synthesis of pyrroloazepines via isoxazoloazepines

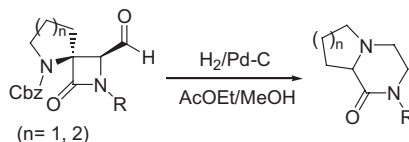
pp 4653–4656

José L. García Ruano,* J. Ignacio Andrés Gil, Alberto Fraile, Ana María Martín Castro and M. Rosario Martín*

**Unusual rearrangement of spiro β -lactams to 1,4-diazabicyclo[4,4,0]decanes and 1,4-diazabicyclo[4,3,0]nonanes. Synthesis of conformationally restricted σ -receptor ligands**

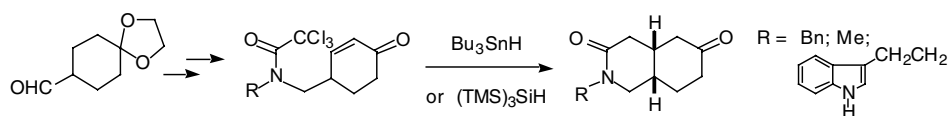
pp 4657–4660

Alberto Macías, Eduardo Alonso, Carlos del Pozo* and Javier González*

**Six-membered nitrogen ring formation by radical cyclization of trichloroacetamides with enones. A synthetic entry to *cis*-perhydroisoquinoline-3,6-diones**

pp 4661–4664

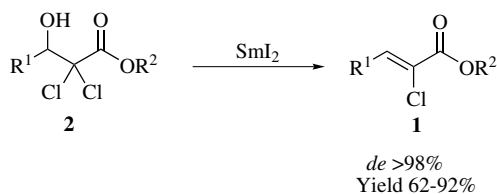
Xavier Vila, Josefina Quirante, Laura Paloma and Josep Bonjoch*



Synthesis of (*Z*)- α -chloro- α,β -unsaturated esters with complete stereoselectivity promoted by samarium diiodide

pp 4665–4667

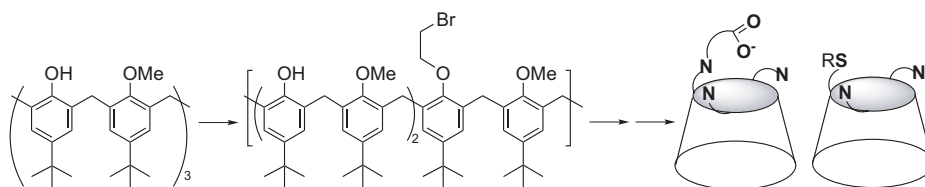
José M. Concellón,* Mónica Huerta and Ricardo Llavona



An efficient route to disymmetrically substituted calix[6]arenes. Synthesis of novel ligands presenting a N_2S or $N_3CO_2^-$ binding core

pp 4669–4672

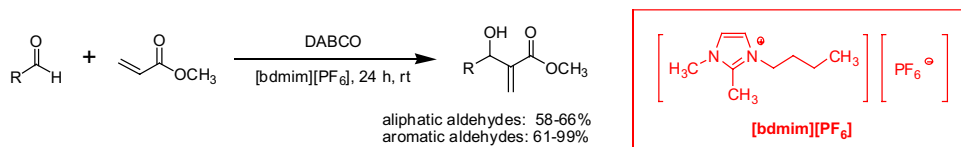
Yannick Rondelez, Yun Li and Olivia Reinaud*



Baylis–Hillman reaction in [bdmim][PF₆] ionic liquid

pp 4673–4676

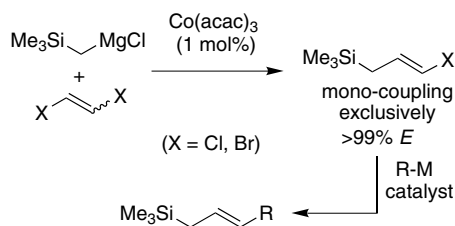
Jen-Chuah Hsu, Ya-Hew Yen and Yen-Ho Chu*



Cobalt-catalyzed mono-coupling of $\text{R}_3\text{SiCH}_2\text{MgCl}$ with 1,2-dihaloethene: a general route to γ -substituted (*E*)-allylsilanes

pp 4677–4679

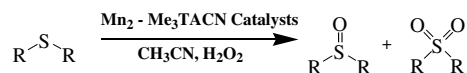
Taku Kamachi, Akiko Kuno, Chikashi Matsuno and Sentaro Okamoto*



Facile oxygenation of organic sulfides with H₂O₂ catalyzed by Mn–Me₃TACN compounds

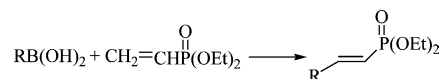
pp 4681–4683

Julia E. Barker and Tong Ren*

**Convenient synthesis of α,β -unsaturated phosphonates via a Mizoroki–Heck reaction of arylboronic acids with diethyl vinylphosphonate**

pp 4685–4687

George W. Kabalka,* Sankar K. Guchhait and Abhijit Naravane

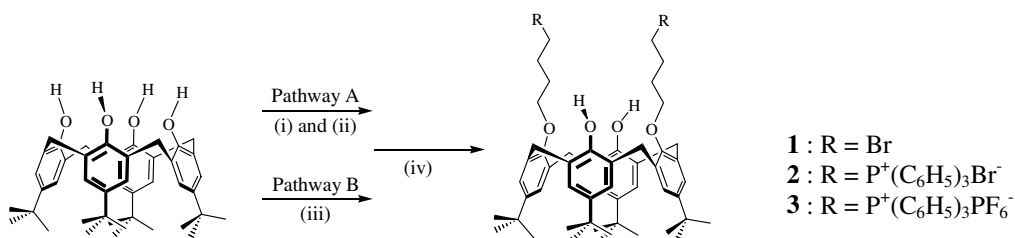


Palladium acetate catalyzed Mizoroki–Heck reactions of arylboronic acids with diethyl vinylphosphonates afford α,β -unsaturated phosphonates in good yields.

Anion complexation. A ditriphenylphosphonium calix[4]arene derivative as a novel receptor for anions

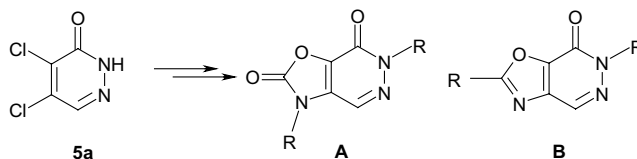
pp 4689–4692

Abdelwaheb Hamdi, Kye Chun Nam,* Byung Ju Ryu, Jong Seung Kim and Jacques Vicens*

**An efficient synthesis of novel 1,3-oxazolo[4,5-d]pyridazinones**

pp 4693–4696

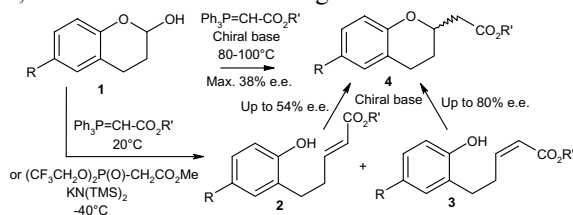
Eugene B. Frolov, Frederick J. Lakner, Alexandre V. Khvat and Alexandre V. Ivachtchenko*



The rational design of modified Cinchona alkaloid catalysts. Application to a new asymmetric synthesis of chiral chromanes

pp 4697–4701

Alain Merschaert,* Pieter Delbeke, Désiré Dalozé and Georges Dive

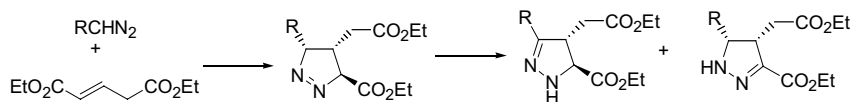


A new asymmetric synthesis of 2-substituted chiral chromanes has been achieved. The key step is the intramolecular conjugate addition of a phenolic nucleophile on a α,β -unsaturated ester catalyzed by Cinchona alkaloids. The high ee's obtained with cinchonine and its derivatives have been rationalized by ab initio quantum chemistry calculations of transition state structures.

Aza analogs of kainoids by dipolar cycloaddition

pp 4703–4705

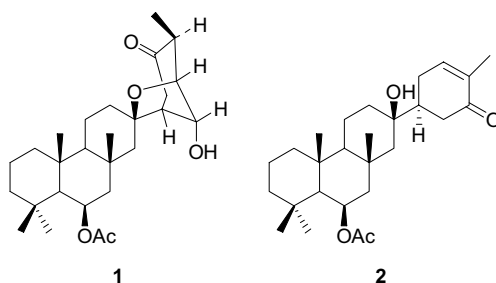
Mingping Di and Kathleen S. Rein*



Suberitane network, a taxonomical marker for Antarctic sponges of the genus *Suberites*? Novel sesterterpenes from *Suberites caminatus*

pp 4707–4710

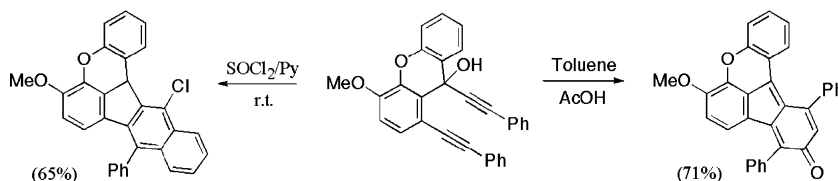
Ana R. Díaz-Marrero, Inmaculada Brito, Mercedes Cueto, Aurelio San-Martín and José Darías*



Intramolecular formal [4+2] cycloaddition reactions of secondary and tertiary aryldiacetylene alcohols

pp 4711–4714

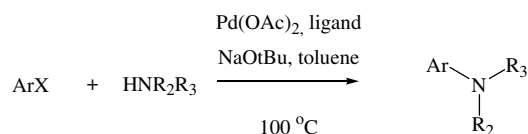
David Rodríguez, Domingo Quintás, Alberto García, Carlos Saá and Domingo Domínguez*



Discovery and synthesis of novel phosphine-based ligands for aryl aminations

pp 4715–4718

Robert A. Singer, Norma J. Tom,* Heather N. Frost and Wendy M. Simon

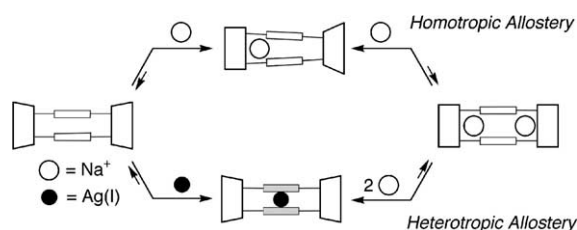


Three families of phosphine ligands were prepared for use in Pd-catalyzed aryl aminations.

Doubly bridged biscalix[4]arene for homotropic and heterotropic allosteric effects on ion recognition

pp 4719–4722

Tatsuya Nabeshima,* Toshiyuki Saiki, Keiko Sumitomo and Shigehisa Akine

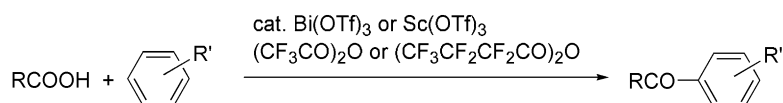


Homotropic and heterotropic negative allostery for Na⁺ and Ag⁺ recognition was achieved by the biscalix[4]arene-based host bearing two rigid bipyridine linkers and two ester moieties.

The Friedel–Crafts acylation of aromatic compounds with carboxylic acids by the combined use of perfluoroalkanoic anhydride and bismuth or scandium triflate

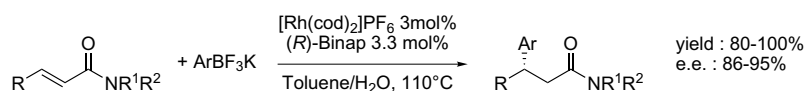
pp 4723–4727

Yoh-ichi Matsushita,* Kazuhiro Sugamoto and Takanao Matsui

**Efficient access to chiral β-arylamides via asymmetric 1,4-additions of potassium trifluoro(organo)borates**

pp 4729–4732

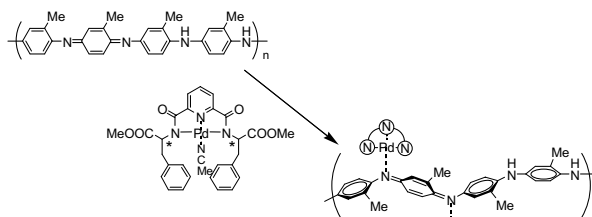
Mathieu Pucheault, Valérie Michaut, Sylvain Darses* and Jean-Pierre Genet*



Chirality induction of polyaniline derivatives through chiral complexation

pp 4733–4736

Xiuliang Shen, Toshiyuki Moriuchi and Toshikazu Hirao*

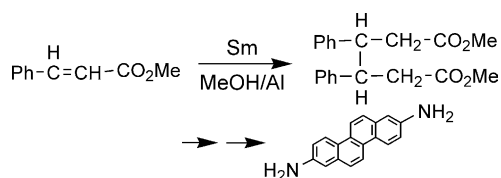


Chirality induction of π -conjugated polyaniline and oligoaniline was achieved by complexation with chiral palladium(II) complexes. The crystal structure of the chiral complex with a model compound of the polyaniline revealed a chiral propeller twist conformation of the π -conjugated moiety.

Samarium-induced reductive dimerization of methyl cinnamate: synthesis of 2,8-diamino chrysene

pp 4737–4739

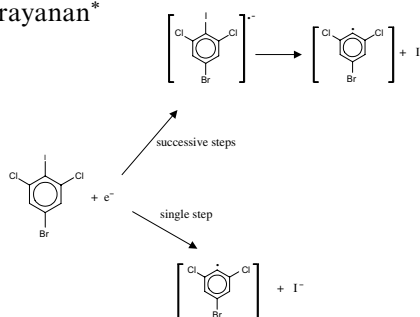
Bimal K. Banik,* M. S. Venkatraman, Indrani Banik and Manas K. Basu



Cleavage of an aromatic carbon–heteroatom bond in a single step or successive steps?—A mechanistic distinction in the reduction of 5-bromo-1,3-dichloro-2-iodobenzene

pp 4741–4744

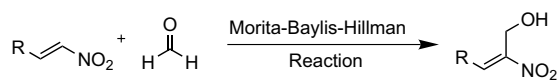
M. Arun Prasad and M. V. Sangaranarayanan*



α -Hydroxymethylation of conjugated nitroalkenes via the Morita–Baylis–Hillman reaction

pp 4745–4748

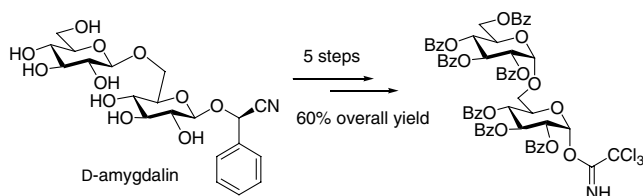
Namrata Rastogi, Irishi N. N. Namboothiri* and Miriam Cojocar



Convenient syntheses of isomaltose derivatives from amygdalin

pp 4749–4753

Martin Chwalek and Karen Plé*

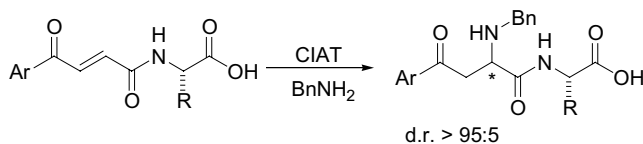


Acid catalyzed rearrangement of amygdalin derivatives give the thermodynamically more stable α -anomers. This reaction was applied to different di-, tri-, and tetrasaccharides.

Crystallization-induced asymmetric transformation. Application to conjugate addition of benzylamine to amides of benzoylacrylic acid

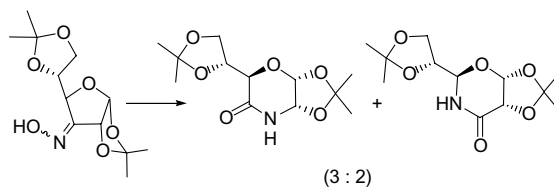
pp 4755–4758

Pavol Jakubec, Dušan Berkeš* and František Považanec

**Silica supported MoO₃: a mild heterogeneous catalyst for the Beckmann rearrangement and its application to some sugar derived ketoximes**

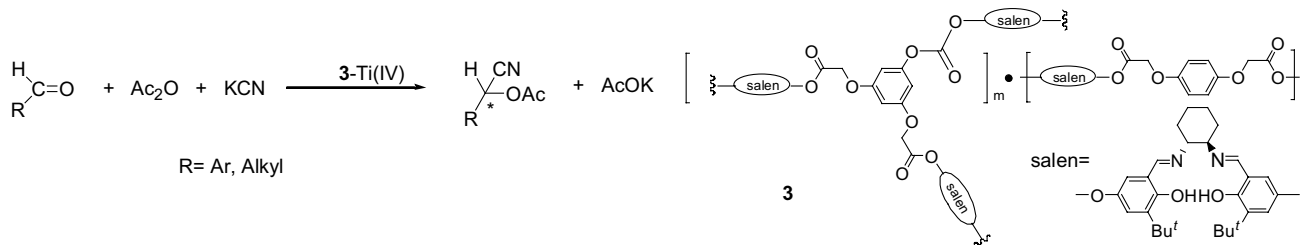
pp 4759–4762

Mohan K. Dongare,* Vivekanand V. Bhagwat, C. V. Ramana and Mukund K. Gurjar

**Asymmetric addition of KCN and Ac₂O to aldehydes catalyzed by recyclable polymeric salen-Ti(IV) complexes**

pp 4763–4767

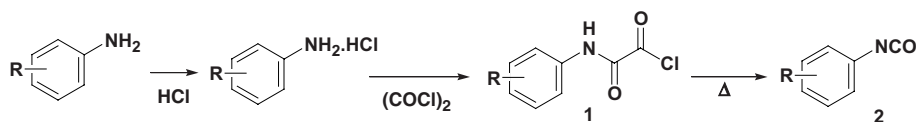
Wei Huang, Yuming Song, Changmin Bai, Guoying Cao and Zhuo Zheng*



A new and convenient in-situ method of generating phenyl isocyanates from anilines using oxalyl chloride

pp 4769–4771

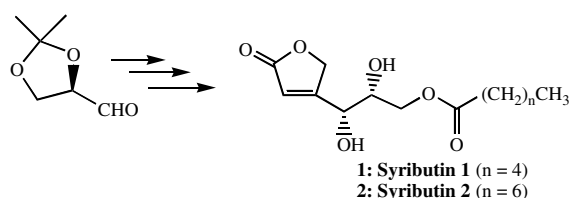
Lynette M. Oh,* P. Grant Spoors and Richard M. Goodman



Use of a Baylis–Hillman adduct in the stereoselective synthesis of syributins via a RCM protocol

pp 4773–4775

Palakodety Radha Krishna,* M. Narsingam and V. Kannan

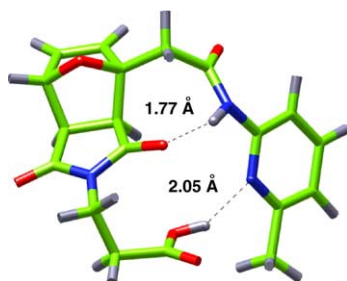


The total synthesis of syributins **1** and **2** using the Baylis–Hillman adduct of 2,3-*O*-isopropylidene-*R*-glyceraldehyde-ethyl acrylate as starting material followed by ring closing metathesis (RCM) is reported.

A completely selective and strongly accelerated Diels–Alder reaction mediated by hydrogen bonding

pp 4777–4780

Russell J. Pearson, Eleftherios Kassianidis and Douglas Philp*



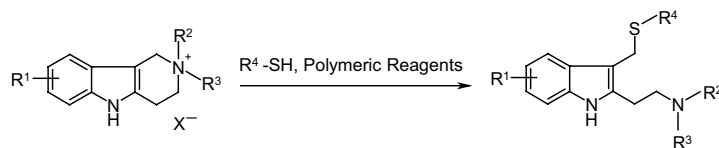
A Diels–Alder cycloaddition between a furan and a maleimide is presented in which the presence of complementary hydrogen bonding sites dramatically accelerate the reaction and, additionally, ensure that only one of two possible diastereoisomers is formed.



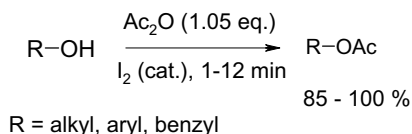
1,2,3,4-Tetrahydro- γ -carbolinium salts: novel reactions with thiols, mediated by polymer-supported reagents

pp 4781–4783

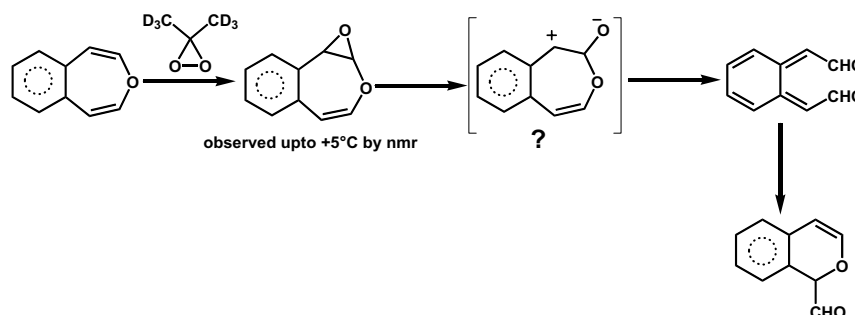
Mike E. Lizarzaburu and Stephen J. Shuttleworth*



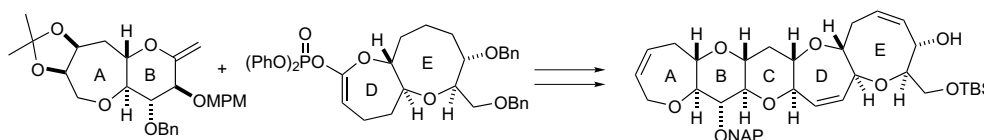
Iodine as an extremely powerful catalyst for the acetylation of alcohols under solvent-free conditions pp 4785–4787
 Prodeep Phukan



Direct observation by ¹H NMR of 4,5-benzoxepin-2,3-oxide and its surprisingly rapid ring-opening rearrangement to 1H-2-benzopyran-1-carboxaldehyde pp 4789–4793
 Dhananjaya Nauduri and Arthur Greenberg*

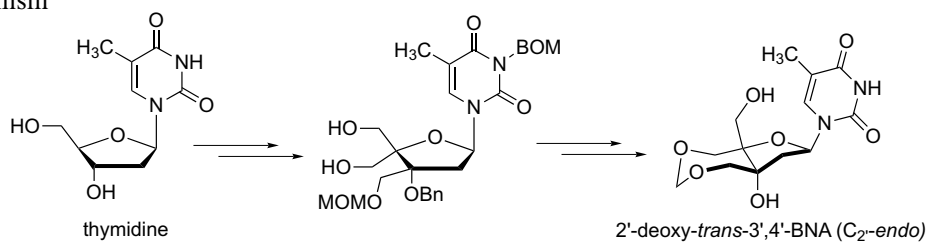


Convergent synthesis of the ABCDE ring fragment of ciguatoxins pp 4795–4799
 Haruhiko Fuwa, Seiji Fujikawa, Kazuo Tachibana, Hiroyuki Takakura and Makoto Sasaki*



Synthesis and conformation of a novel bridged nucleic acid having a trans-fused 3,5,8-trioxabicyclo[5.3.0]decane structure pp 4801–4804

Satoshi Obika, Tomohisa Osaki, Mitsuaki Sekiguchi, Roongjang Somjing, Yasuki Harada and Takeshi Imanishi*

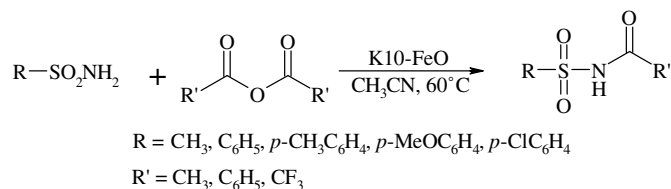


A novel bridged nucleoside having *C*₂-*endo* sugar conformation, 2'-deoxy-*trans*-3',4'-BNA monomer, was successfully synthesized.

Fe-exchanged montmorillonite K10—the first heterogeneous catalyst for acylation of sulfonamides with carboxylic acid anhydrides

pp 4805–4807

Devendrapratap U. Singh, Pankajkumar R. Singh and Shriniwas D. Samant*

**OTHER CONTENTS**

Corrigendum

p 4809

Calendar

pp I–IX

Contributors to this issue

p XI

Instructions to contributors

pp XIII–XVI

*Corresponding author

①⁺ Supplementary data available via ScienceDirectFull text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.**CONTENTS**
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