

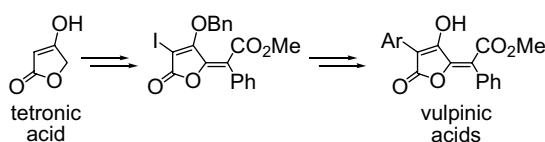
Contents

COMMUNICATIONS

Flexible synthesis of vulpinic acids from tetronic acid

pp 6421–6424

Catherine Willis, Ewen Bodio, Yann Bourdreux, Célia Billaud, Thierry Le Gall* and Charles Mioskowski

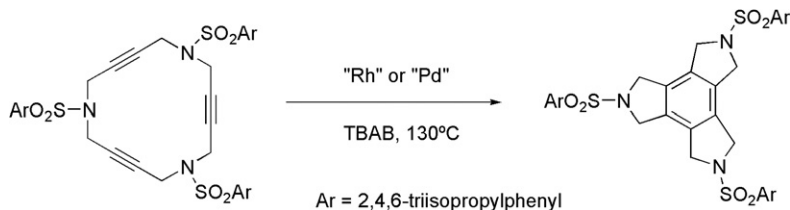


Tetronic acid was converted in a few steps to an alkenyl iodide which served as a common precursor for several vulpinic acids (methyl pulvinates), bearing different Ar groups, and obtained via Suzuki–Miyaura cross-couplings.

Palladium and rhodium-catalyzed intramolecular [2+2+2] cycloisomerizations in molten tetrabutylammonium bromide

pp 6425–6428

Iván González, Sandrine Bouquillon, Anna Roglans* and Jacques Muzart*



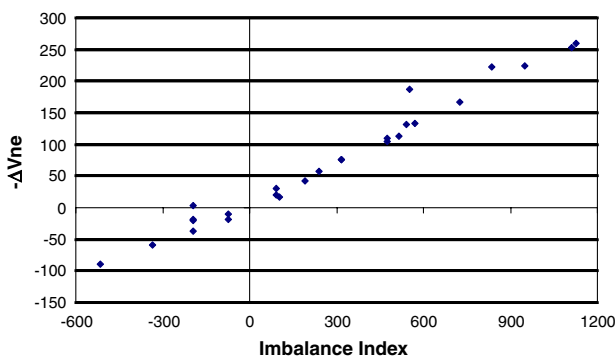
Molten tetra-*n*-butylammonium bromide is an efficient solvent in [2+2+2] cycloisomerization processes of unsaturated azamacrocycles catalyzed by rhodium and palladium complexes. In the latter case, palladium nanoparticles are observed and are presumably the real catalytic species.

The Baeyer strain in small ring systems does not originate from a decrease in nucleus–electron attraction

pp 6429–6433

Georg Hohlneicher* and Lars Packschies

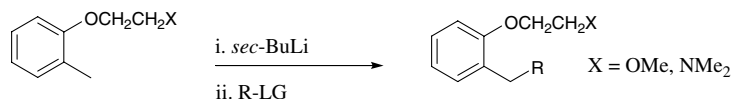
Differences in nucleus–electron attraction compared to acyclic compounds are not related to ring or Baeyer strain. They result from interaction imbalances in the underlying reactions.



New stabilising groups for lateral lithiation of *ortho*-cresol derivatives

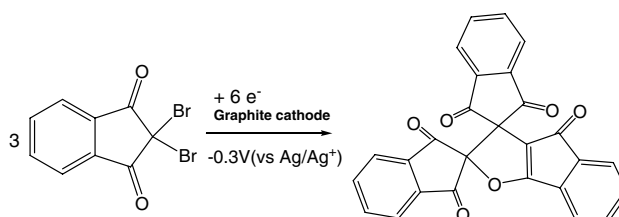
pp 6434–6436

James A. Wilkinson,* Eun-Ang Raiber and Sylvie Ducki

One-pot electrosynthesis of 2,3-bis(spiro-2-indanyl-1,3-dione)-indeno[1,2-*b*]furan-4-one

pp 6437–6441

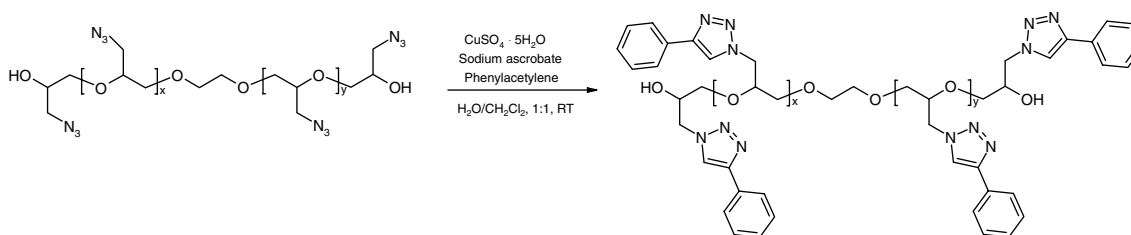
Roberto Horcajada, Belen Batanero, Fructuoso Barba* and Avelino Martín



Synthesis of glycidyl triazolyl polymers using click chemistry

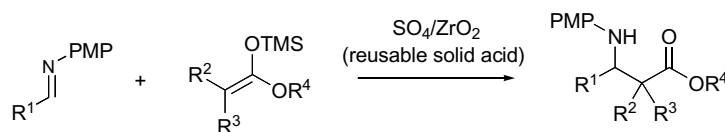
pp 6442–6448

Ji-Hye Jung, Yeong-Gweon Lim,* Kyung-Hee Lee and Bon Tak Koo

Sulfated zirconia (SO_4/ZrO_2) as a reusable solid acid catalyst for the Mannich-type reaction between ketene silyl acetals and aldimines

pp 6449–6452

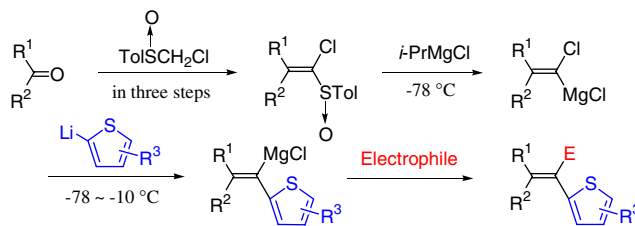
Sainan Wang, Shuichi Matsumura and Kazunobu Toshima*



Alkenylation of thiophenes at the 2-position with magnesium alkylidene carbenoids

pp 6453–6457

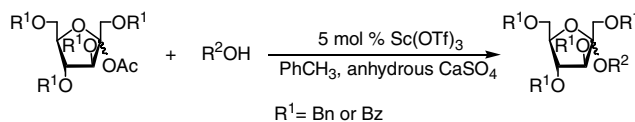
Tsuyoshi Satoh,* Natsuki Mori and Kazumi Obuchi



A highly efficient D-fructofuranosylation catalyzed by scandium(III) triflate

pp 6458–6462

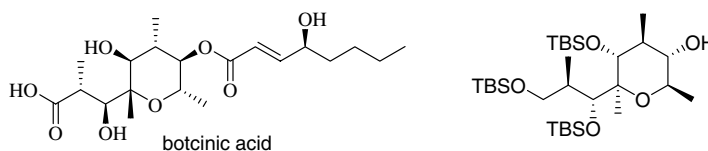
Takashi Yamanoi,* Noriko Misawa and Mikiyo Watanabe



Studies directed towards the total synthesis of botcinic acid, the revised structure of botcinolide: synthesis of the highly substituted tetrahydropyran moiety

pp 6463–6465

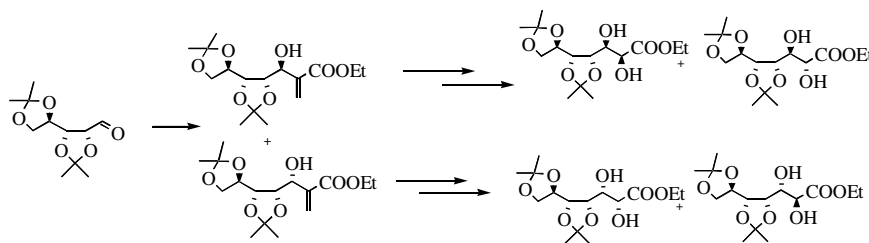
Tushar Kanti Chakraborty* and Rajib Kumar Goswami



The Baylis–Hillman reaction: a strategic tool for the synthesis of higher-carbon sugars

pp 6466–6470

Palakodety Radha Krishna,* P. V. Narasimha Reddy, A. Sreeshailam, M. Uday Kiran and B. Jagdeesh

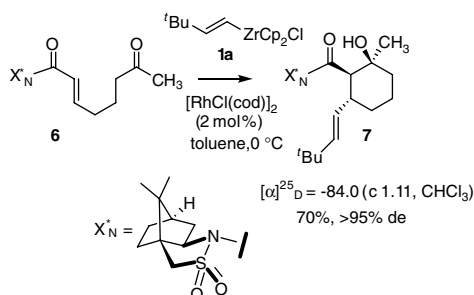


The Baylis–Hillman reaction is invoked as an attractive synthetic strategy for ready access to higher-carbon sugars.

Rh(I)-catalyzed conjugate addition of alkenylzirconocene chloride: stereoselective formation of carbocycles through cascade reaction

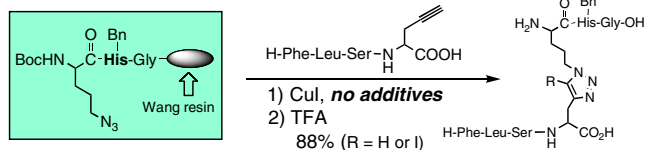
pp 6471–6474

Yuji Hanzawa,* Yoshitaka Takebe, Akio Saito, Akito Kakuuchi and Haruhiko Fukaya

**Acceleration of Cu(I)-mediated Huisgen 1,3-dipolar cycloaddition by histidine derivatives**

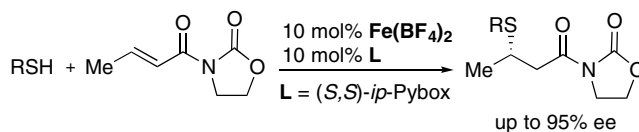
pp 6475–6479

Katsunori Tanaka, Chika Kageyama and Koichi Fukase*

**Enantioselective C–S bond formation by iron/Pybox catalyzed Michael addition of thiols to (E)-3-crotonoyloxazolidin-2-one**

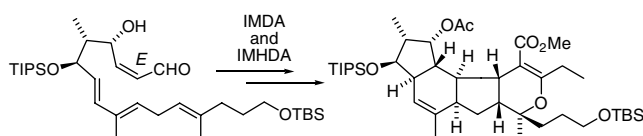
pp 6480–6482

Motoi Kawatsura,* Yuji Komatsu, Masashi Yamamoto, Shuichi Hayase and Toshiyuki Itoh*

**Synthetic studies on (–)-FR182877: construction of the ABCD ring system via the intramolecular cycloadditions (1)**

pp 6483–6487

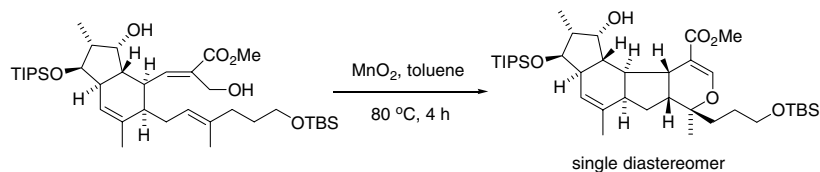
Takahiro Suzuki, Natsumi Tanaka, Takehiko Matsumura, Yosuke Hosoya and Masahisa Nakada*



Synthetic studies on (–)-FR182877: construction of the ABCD ring system via the intramolecular cycloadditions (2)

pp 6488–6492

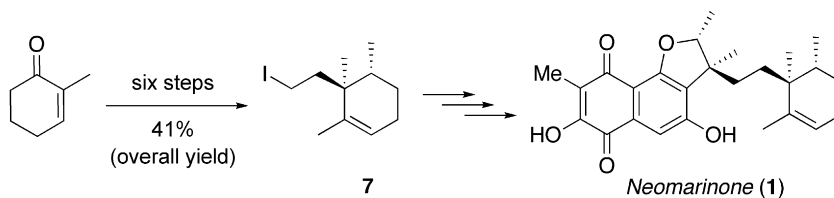
Natsumi Tanaka, Takahiro Suzuki, Yosuke Hosoya and Masahisa Nakada*



Synthetic studies on neomarinone: practical and efficient stereoselective synthesis of the side chain

pp 6493–6495

Rosa M. Suárez, M. Montserrat Martínez, Luis A. Sarandeses* and José Pérez Sestelo*

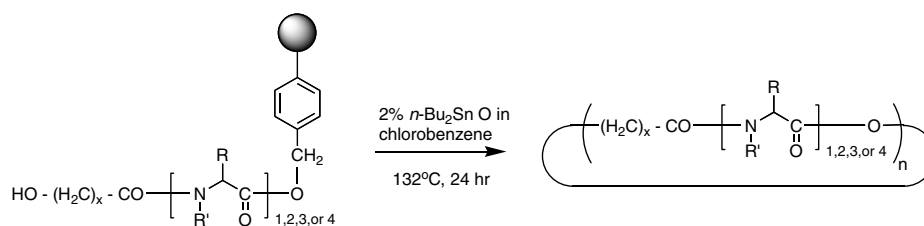


A practical and efficient stereoselective synthesis of the side chain of neomarinone is reported. The key step is a novel stereoselective 1,4-conjugate addition/enolate alkylation by an epoxide-opening reaction.

Polymer-supported syntheses of cyclic oligodepsipeptides

pp 6496–6499

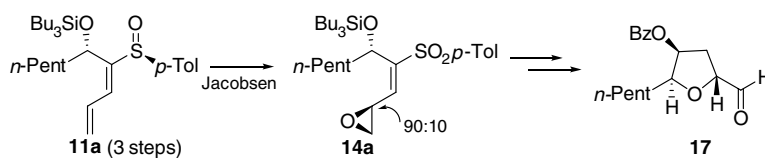
Anthony Cook, Philip Hodge,* Barbara Manzini and Clare L. Ruddick



Katsuki–Jacobsen oxidation–epoxidation of α -silyloxy sulfinyl dienes: application to the formal synthesis of (6*S*,7*S*,9*R*,10*R*)-6,9-epoxy-nonadec-18-ene-7,10-diol

pp 6500–6504

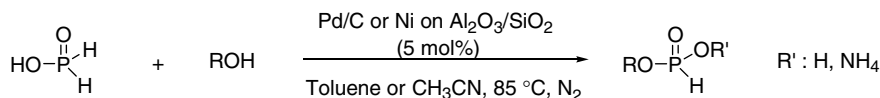
Roberto Fernández de la Pradilla* and Alejandro Castellanos



New access to *H*-phosphonates via metal-catalyzed phosphorus–oxygen bond formation

pp 6505–6508

Laëtitia Coudray, Isabelle Abrunhosa-Thomas and Jean-Luc Montchamp*

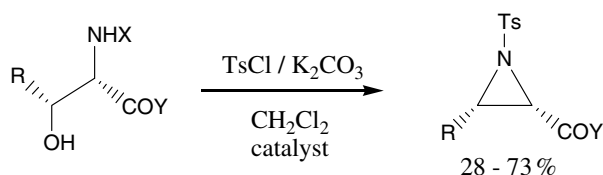


A novel approach to *H*-phosphonates from hypophosphorous acid using a transfer hydrogenation process was developed. This method is atom-economical, environmentally friendly, catalytic, and efficient, leading easily to *H*-phosphonate monoesters or ammonium salt in moderate to good yields.


New methodology for the preparation of *N*-tosyl aziridine-2-carboxylates

pp 6509–6513

Liliana Marzorati,* Giovana C. Barazzone, Marco A. Bueno Filho, Blanka Wladislaw and Claudio Di Vitta*

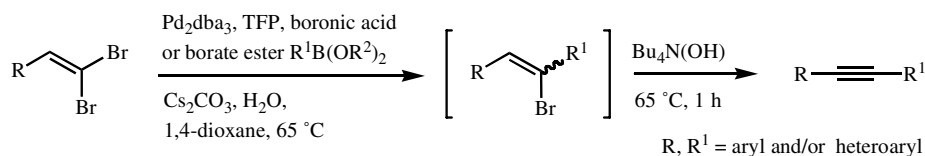


R = H or Me; X = H or Ts, Y = OMe or NH*t*-Bu

One-pot conversion of 1,1-dibromoalkenes into internal alkynes by sequential Suzuki–Miyaura and dehydrobromination reactions

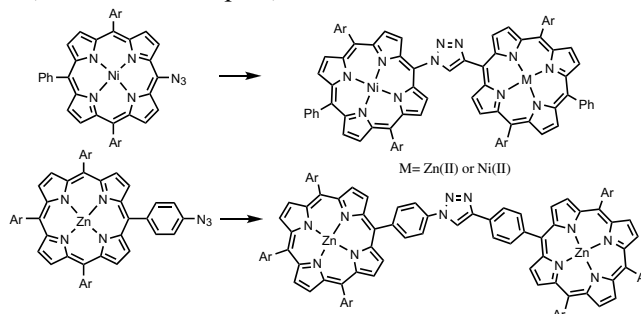
pp 6514–6517

Giorgio Chelucci,* Francesca Capitta, Salvatore Baldino and Gerard A. Pinna


Synthesis of new azido porphyrins and their reactivity in copper(I)-catalyzed Huisgen 1,3-dipolar cycloaddition reaction with alkynes

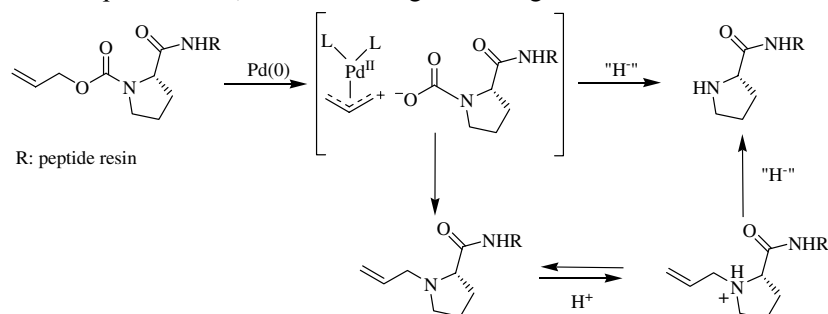
pp 6518–6522

Marjorie Séverac, Loïc Le Pleux, Annabelle Scarpaci, Errol Blart and Fabrice Odobel*



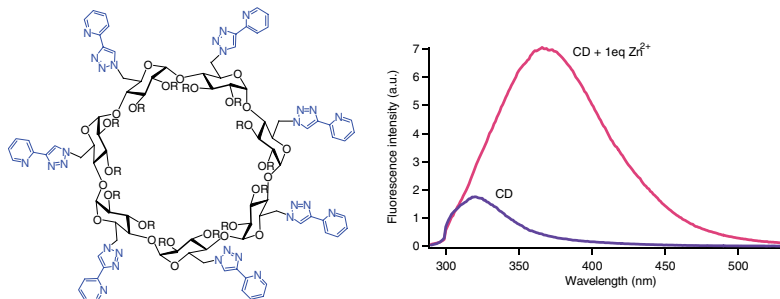
Synergic effect of hydride and proton donors in the Pd(0)-mediated deprotection of N^α -Aloc proline derivatives pp 6523–6526

Isidore P. Decostaire, Dominique Lelièvre, Vincent Aucagne and Agnès F. Delmas*



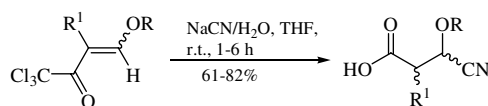
Generation of new fluorophore by Click chemistry: synthesis and properties of β -cyclodextrin substituted by 2-pyridyl triazole pp 6527–6530

Olivier David, Stéphane Maisonneuve and Juan Xie*



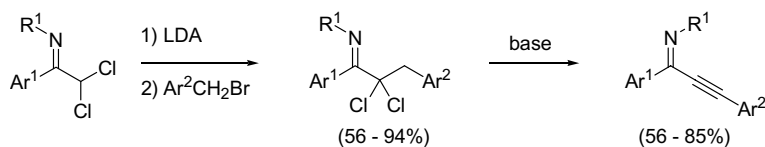
A simple one-pot synthesis of 3-alkoxy-3-cyanocarboxylic acids: a rapid entry to new GABA derivatives pp 6531–6534

Nilo Zanatta,* Fabio M. da Silva, Luciana S. da Rosa, Louise Jank, Helio G. Bonacorso and Marcos A. P. Martins



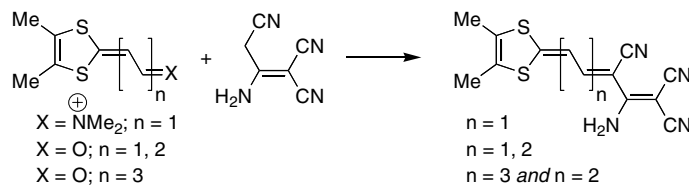
Straightforward synthesis of alkynyl imines via 1,2-elimination of α,α -dichloro ketimines pp 6535–6538

Sven Mangelinckx, Stijn Rooryck, Jan Jacobs and Norbert De Kimpe*

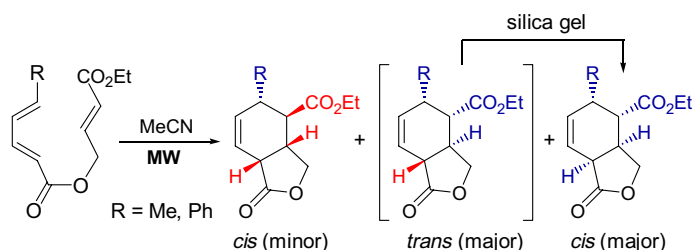


Synthesis, characterization and optical properties of merocyanines derived from malononitrile dimer pp 6539–6542

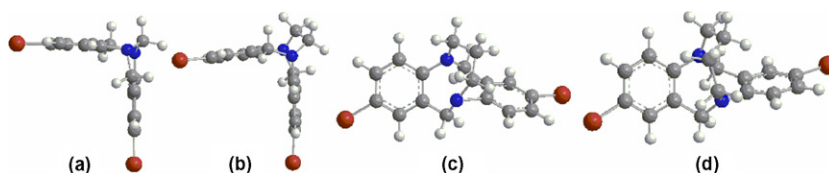
Silvia Alías, Raquel Andreu, Miguel Angel Cerdán, Santiago Franco, Javier Garín,* Jesús Orduna, Pilar Romero and Belén Villacampa

**Unexpected epimerization and stereochemistry revision of IMDA adducts from sorbate-related 1,3,8-nonatrienes** pp 6543–6547

Jinlong Wu, Haihua Yu, Yan Wang, Xinglong Xing and Wei-Min Dai*

**Changing the shape of Tröger's base** pp 6548–6551

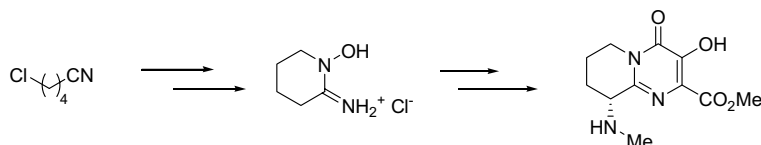
Masoud Faroughi, Andrew C. Try,* John Klepetko and Peter Turner



The shape of the Tröger's base framework is dramatically altered by changing from one atom (a) to two (b), three (c) or four atoms (d) between the two nitrogen atoms of the diazocine bridge.

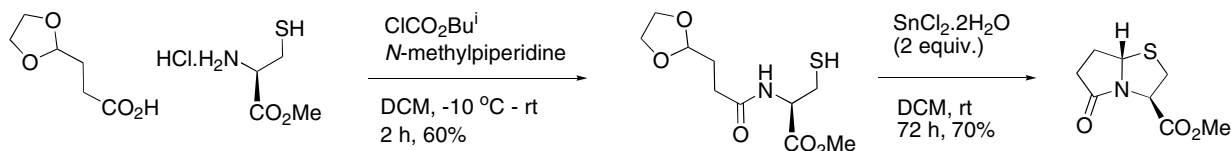
The synthesis of tetrahydropyridopyrimidones as a new scaffold for HIV-1 integrase inhibitors pp 6552–6555

Olaf D. Kinzel,* Edith Montegudo, Ester Muraglia, Federica Orvieto, Giovanna Pescatore, Maria del Rosario Rico Ferreira, Michael Rowley and Vincenzo Summa



Deacetalisation–bicyclisation routes to novel polycyclic heterocycles using stannous chloride dihydrate pp 6556–6560

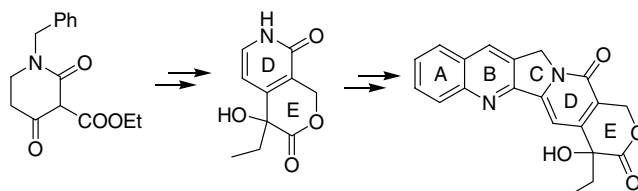
Alex N. Cayley, Rhona J. Cox, Cécilia Ménard-Moyon, Jan Peter Schmidt and Richard J. K. Taylor*



A practical formal synthesis of camptothecin

pp 6561–6563

Subhash P. Chavan,* Ashok B. Pathak and Uttam R. Kalkote

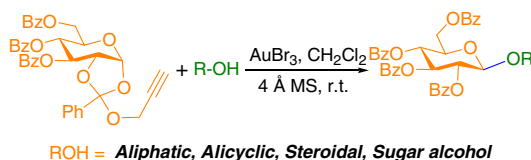


The synthesis of the DE ring of camptothecin using simple and inexpensive starting materials, employing an addition elimination reaction and selective esterification of an aliphatic carboxylic acid as key steps is described.

Propargyl 1,2-orthoesters as glycosyl donors: stereoselective synthesis of 1,2-*trans* glycosides and disaccharides

pp 6564–6568

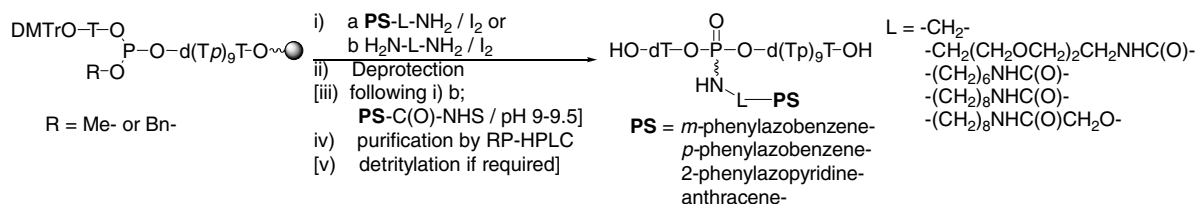
Gopalsamy Sureshkumar and Srinivas Hotha*



A novel structural class of photoswitchable oligonucleotide

pp 6569–6572

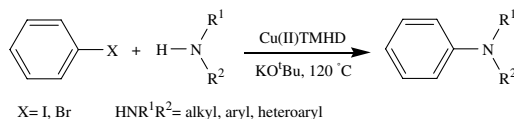
Emma E. Smith, Jennifer N. McClean, Leonie A. Cooke, Jean-Louis Duprey, Maighréad McCourt, Martin M. Fabani, James H. R. Tucker* and Joseph S. Vyle*



N-Arylation of aliphatic, aromatic and heteroaromatic amines catalyzed by copper bis(2,2,6,6-tetramethyl-3,5-heptanedionate)

pp 6573–6576

Nitin S. Nandurkar, Mayur J. Bhanushali, Malhari D. Bhor and Bhalchandra M. Bhanage*



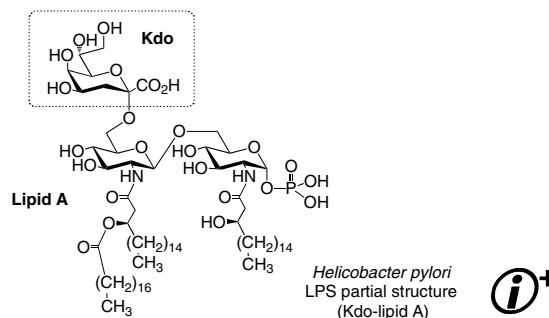
Copper bis(2,2,6,6-tetramethyl-3,5-heptanedionate) was found to be an efficient catalyst for N-arylation of aliphatic, aromatic and heteroaromatic amines with aryl iodides/bromides under mild conditions.

Synthesis of immunoregulatory *Helicobacter pylori* lipopolysaccharide partial structures

pp 6577–6581

Yukari Fujimoto, Masato Iwata, Noriko Imakita, Atsushi Shimoyama, Yasuo Suda, Shoichi Kusumoto and Koichi Fukase*

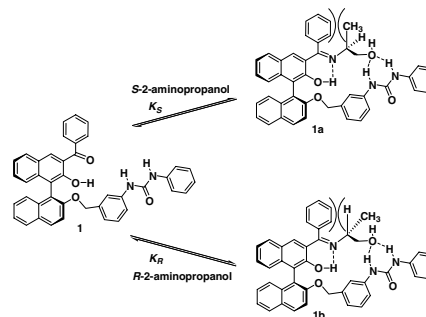
Immunoregulatory lipopolysaccharide (LPS) partial structures from *Helicobacter pylori* were synthesized and relates the structural uniqueness of *H. pylori* LPS with its immunobiological activity.

**A chiral ketone for enantioselective recognition of 1,2-amino alcohols**

pp 6582–6585

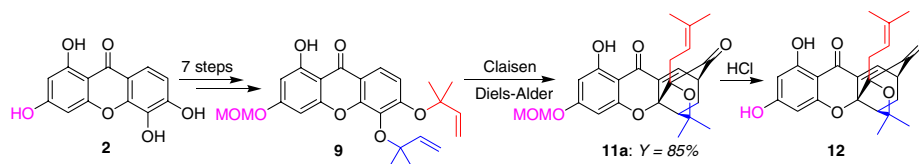
Raju Nandhakumar, Yong-En Guo, Hyunjung Park, Lijun Tang, Wonwoo Nam and Kwan Mook Kim*

A novel auxiliary chiral ketone has been designed, synthesized and used to enantioselectively recognize 1,2-amino alcohols. This work proves that the keto group can serve as a chiral recognition center by imine formation supported by resonance assisted hydrogen bonding (RAHB).

**A novel and efficient route to the construction of the 4-oxa-tricyclo[4.3.1.0]decan-2-one scaffold**

pp 6586–6589

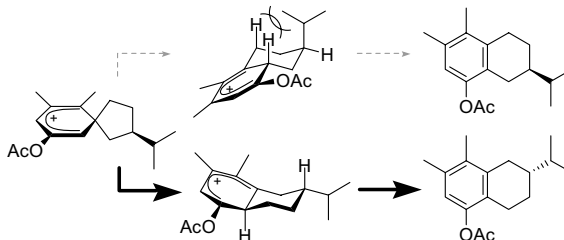
Nian-Guang Li, Jin-Xin Wang, Xiao-Rong Liu, Chang-Jun Lin, Qi-Dong You* and Qing-Long Guo



Conformational control of selectivity in the dienone–phenol rearrangement

pp 6590–6593

Anne M. Sauer, William E. Crowe,* Gregg Henderson and Roger A. Laine




This Letter describes a series of dienone–phenol rearrangements where selectivity can be correlated with the relative stability of cationic intermediates.

**OTHER CONTENT****Corrigendum**

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*Corresponding author

 Supplementary data available via ScienceDirectAvailable online at www.sciencedirect.com

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