

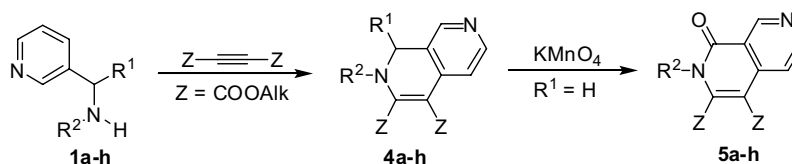
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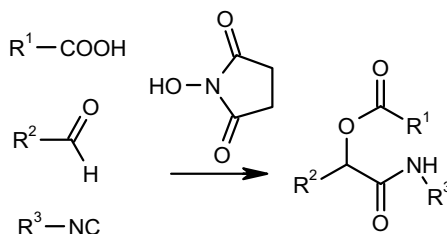
A novel synthetic route to dihydronaphthyridines and naphthyridine-1-ones

Vladimir Y. Vvedensky,* Yury V. Ivanov, Volodymyr Kysil, Caroline Williams, Sergei Tkachenko, Alexander Kiselyov, Alexander V. Khvat and Alexandre V. Ivachtchenko



Acceleration of the Passerini reaction in the presence of nucleophilic additives pp 3957–3960

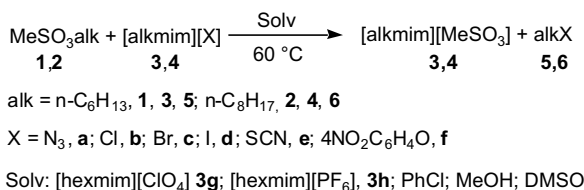
Maxim A. Mironov,* Maria N. Ivantsova, Maria I. Tokareva and Vladimir S. Mokrushin



A novel method for acceleration of the Passerini multi-component reaction is presented.

Anion nucleophilicity in ionic liquids: a comparison with traditional molecular solvents of different polarity pp 3961–3963

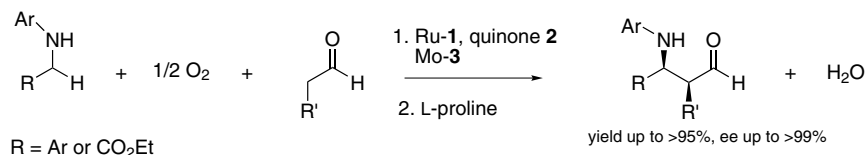
Dario Landini* and Angelamaria Maia*



Enantioselective addition of aldehydes to amines via combined catalytic biomimetic oxidation and organocatalytic C–C bond formation

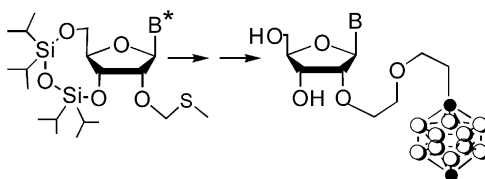
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Ismail Ibrahim, Joseph S. M. Samec, Jan E. Bäckvall* and Armando Córdova*


General method for the synthesis of 2'-O-carboranyl-nucleosides

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Błażej Wojtczak, Andrey Semenyuk, Agnieszka B. Olejniczak, Marek Kwiatkowski and Zbigniew J. Lesnikowski*

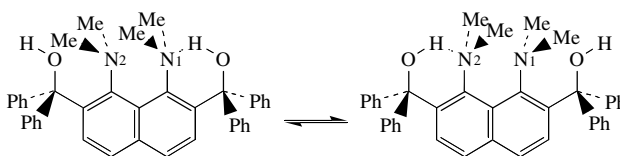


A versatile method for incorporation of a lipophilic carborane pharmacophore into nucleosides.


2- α -Hydroxybenzhydryl- and 2,7-di(α -hydroxybenzhydryl)-1,8-bis(dimethylamino)naphthalenes: the first examples of stabilization of in/out proton sponge conformers by intramolecular hydrogen bonding. The most flattened amino group ever participating in IHB

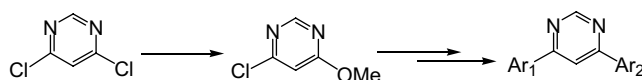
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Alexander F. Pozharskii,* Oksana V. Ryabtsova, Valery A. Ozeryanskii, Alexander V. Degtyarev, Zoya A. Starikova, Lucjan Sobczyk and Alexander Filarowski


Synthesis of unsymmetrical 4,6-diarylpyrimidines

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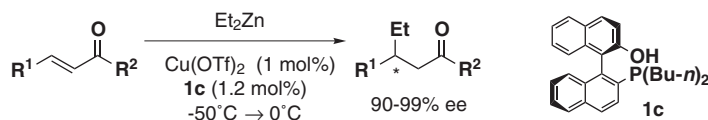
Bishan Zhou,* Brett Taylor and Kathryn Kornau



Enantioselective conjugate addition of diethylzinc to acyclic enones using a copper phosphino-phenol complex as catalyst

pp 3981–3985

Katsuji Ito,* Shuuichiro Eno, Bunnai Saito and Tsutomu Katsuki*

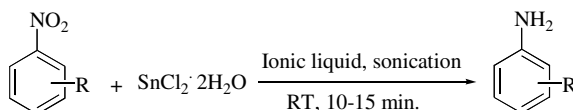


Newly designed phosphino-phenol **1c** was found to be an efficient chiral auxiliary for copper-mediated asymmetric conjugate addition of diethylzinc to acyclic enones.

Ionic liquid mediated efficient reduction of nitroarenes using stannous chloride under sonication

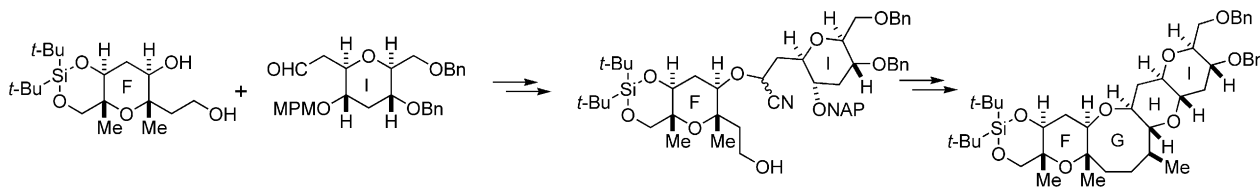
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Ganesha Rai, Jae Min Jeong,* Yun-Sang Lee, Hyung Woo Kim, Dong Soo Lee, June-Key Chung and Myung Chul Lee

**Convergent synthesis of the FGHI ring system of yessotoxin: stereoselective construction of the G ring**

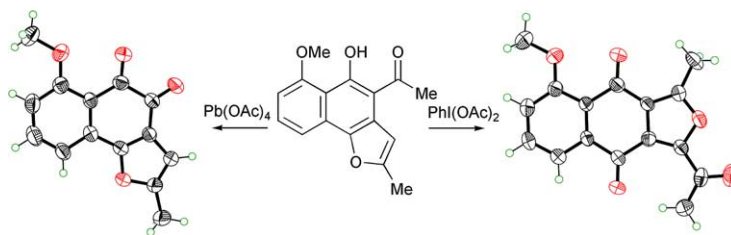
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Koji Watanabe, Miho Suzuki, Michio Murata and Tohru Oishi*

**Synthesis of bhimamycin B based on oxidative rearrangement of 4-acetylnaphtho[1,2-*b*]furan-5-ol to naphtho[2,3-*c*]furan-4,9-dione**

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Hidemitsu Uno,* Seiya Murakami, Akiko Fujimoto and Youtarou Yamaoka



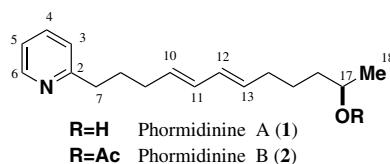
The first total synthesis of bhimamycin B was achieved by oxidative skeletal rearrangement of 4-acetylnaphtho[1,2-*b*]furan-5-ol with PhI(OAc)₂.



Phormidinines A and B, novel 2-alkylpyridine alkaloids from the cyanobacterium *Phormidium* sp.

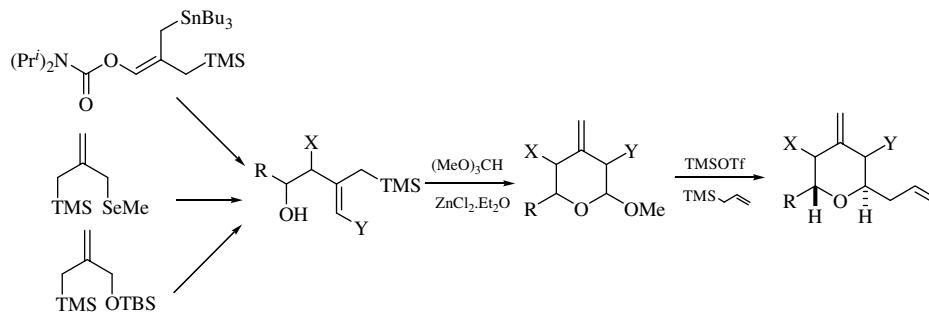
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Toshiaki Teruya, Keiko Kobayashi, Kiyotake Suenaga and Hideo Kigoshi*

Two novel 2-alkylpyridine alkaloids, phormidinines A (1) and B (2), were isolated from marine cyanobacterium *Phormidium* sp.
Synthesis of highly substituted 2,6-*anti*-configured tetrahydropyrans. First steps towards an efficient access to amphidinol 3 ring system

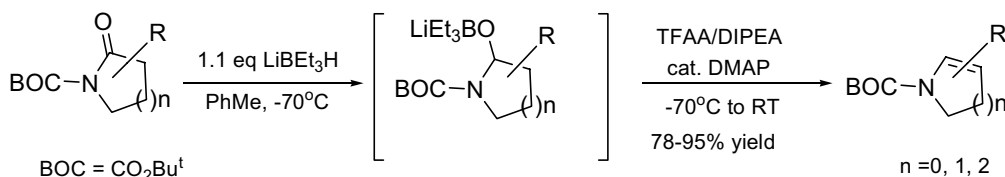
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Christophe Dubost, Istvan E. Markó* and Justin Bryans


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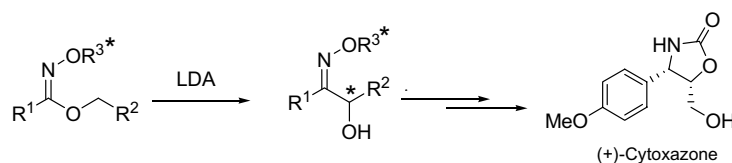
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Jurong Yu,* Vu Truc, Peter Riebel, Elizabeth Hierl and Boguslaw Mudryk


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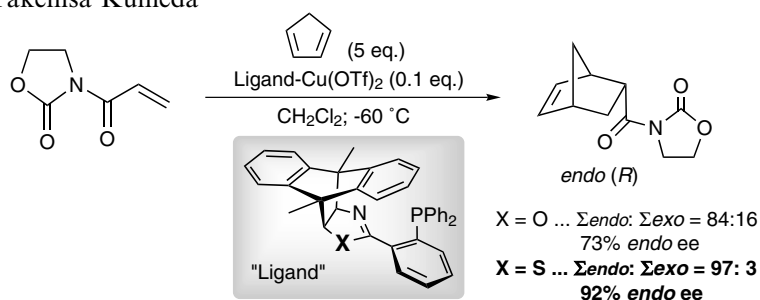
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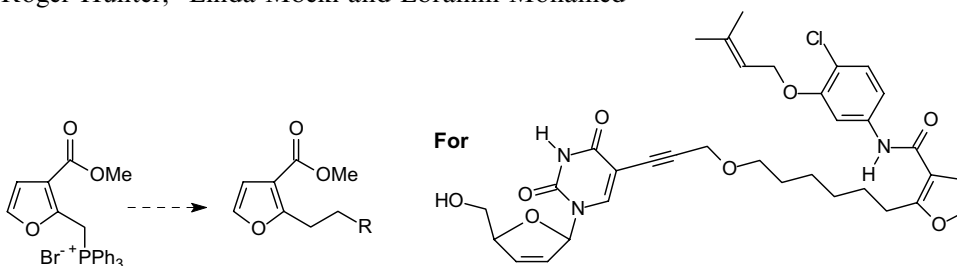
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Manabu Yamakuchi, Hirofumi Matsunaga, Ryoh Tokuda, Tadao Ishizuka, Makoto Nakajima and Takehisa Kunieda*

**New methodology for 2-alkylation of 3-furoic acids: application to the synthesis of tethered UC-781/d4T bifunctional HIV reverse-transcriptase inhibitors**

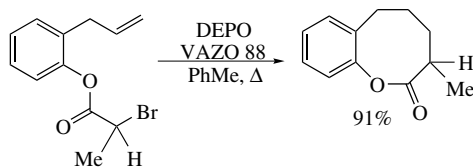
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Gareth Arnott, Roger Hunter,* Linda Mbeki and Ebrahim Mohamed

**First organophosphorus radical-mediated cyclisations to afford medium-sized rings: eight-membered lactones and seven- and eight-membered lactams**

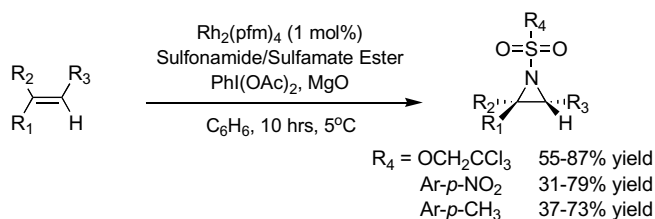
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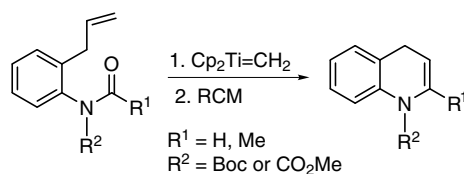
Gregg F. Keaney and John L. Wood*



Sequential *N*-acylamide methylenation–enamide ring-closing metathesis: a synthetic entry to 1,4-dihydroquinolines

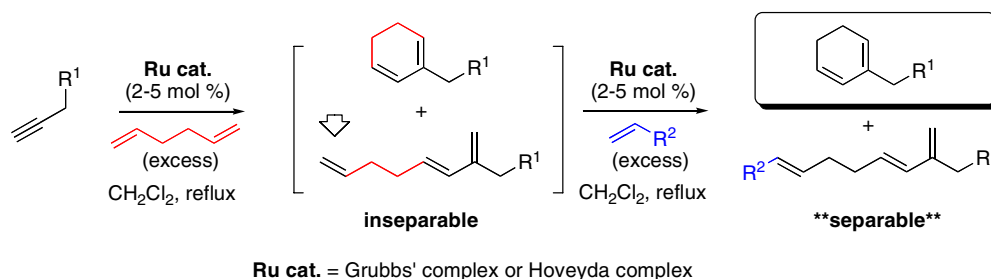
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M.-Lluïsa Bennasar,* Tomàs Roca, Manuel Monerris and Davinia García-Díaz


Synthesis of 1,3-cyclohexadienes by tandem diene–alkyne metathesis: improved procedure

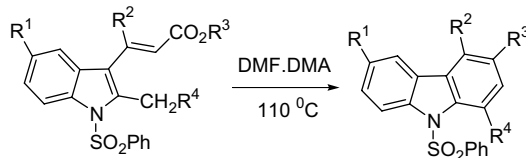
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Mark D. Middleton and Steven T. Diver*


A novel synthesis of *N*-protected carbazoles involving electrocyclization of in situ generated enamines

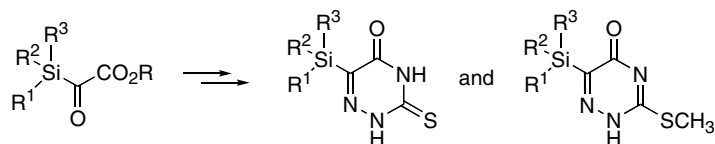
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Arasambattu K. Mohanakrishnan* and Ramalingam Balamurugan


Synthesis of novel silylated 1,2,4-triazin-5-ones

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Carsten Bolm,* Andrey Kasyan and Sandra Saladin

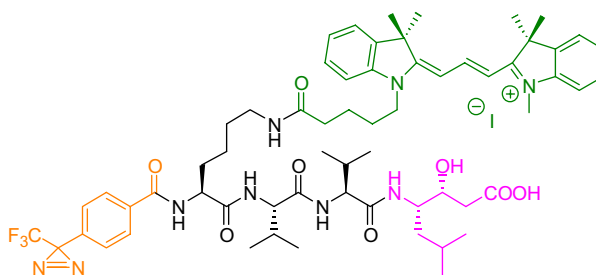


An affinity-based probe for the proteomic profiling of aspartic proteases

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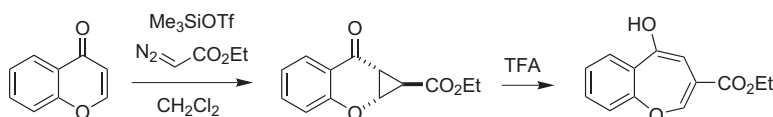
Souvik Chattopadhyaya, Elaine W. S. Chan and Shao Q. Yao*

We have developed an affinity-based probe for the proteomic profiling of aspartic proteases. Our probe was shown to be selective towards aspartic proteases over other proteins. It was also shown that the strategy may be used to label selectively aspartic proteases in the presence of a large excess of other proteins, thus making it useful for future proteome profiling experiments.

**Synthesis of 2,3-benzoxepins by sequential cyclopropanation/ring-enlargement reactions of benzopyrylium triflates with diazoesters**

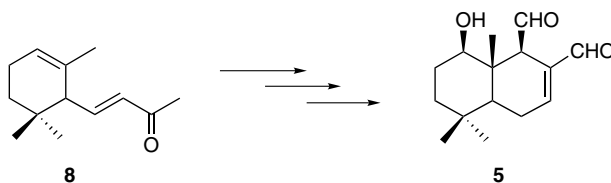
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Sven Rotzoll, Bettina Appel and Peter Langer*

**Enantioselective synthesis of 1(R)-hydroxypolygodial**

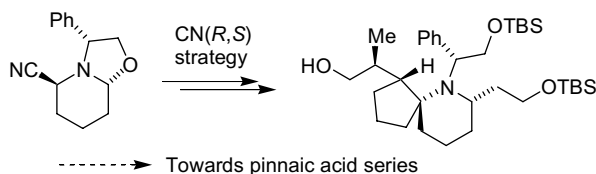
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Carmela Della Monica, Giorgio Della Sala, Deborah D'Urso, Irene Izzo and Aldo Spinella*

**A diastereoselective approach for an asymmetric synthesis in pinnaic acid series**

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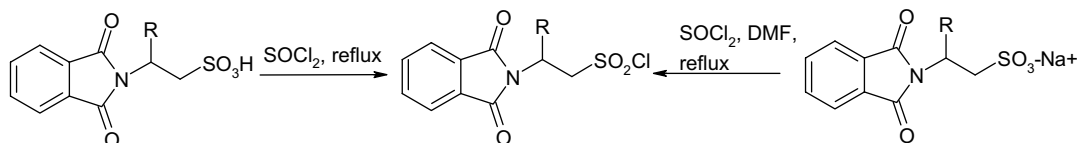
Emmanuel Roulland, Angèle Chiaroni and Henri-Philippe Husson*



Synthesis of *N*-phthalimido β -aminoethanesulfonyl chlorides: the use of thionyl chloride for a simple and efficient synthesis of new peptidosulfonamide building blocks

pp 4069–4072

Jan Humljan and Stanislav Gobec*



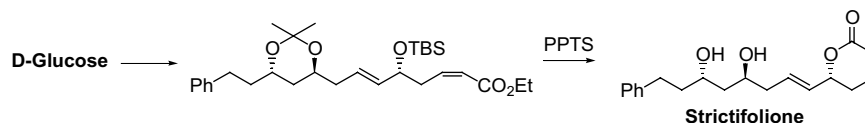
A simple and effective conversion of sulfonic acids or their sodium salts into the corresponding sulfonyl chlorides, using an excess of refluxing thionyl chloride or thionyl chloride/DMF, is presented.



A carbohydrate-based approach for the total synthesis of strictifolione

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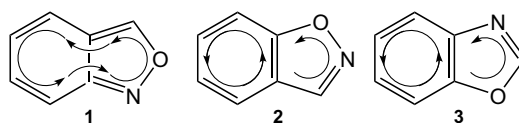
C. V. Ramana,* N. Raghupathi, Mukund K. Gurjar and Mukund S. Chorghade



Aromaticity of anthranil and its isomers, 1,2-benzisoxazole and benzoxazole

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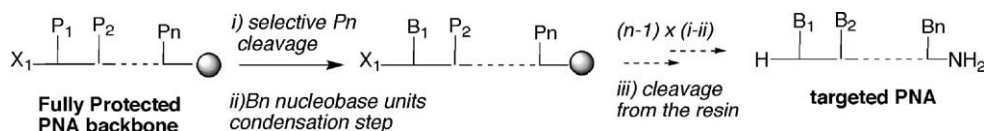
Carmen Domene, Leonardus W. Jenneskens* and Patrick W. Fowler



The 'fully protected backbone' approach as a versatile tool for a new solid-phase PNA synthesis strategy

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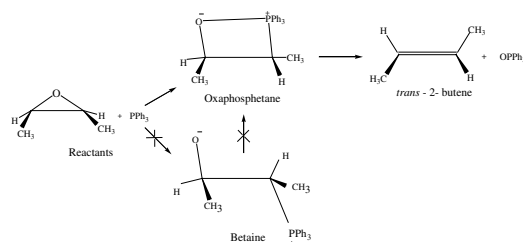
Gregory Upert, Mohamed Mehiri, Mary-Lorène Goddard, Audrey Di Giorgio, Rachid Benhida, Roger Condom and Nadia Patino*



Oxaphosphetane versus betaine formation in epoxide ring opening by PPh₃: a mechanistic probe by *ab initio* and DFT modeling

Anbarasan Kalaiselvan and Ponnambalam Venuvanalingam*

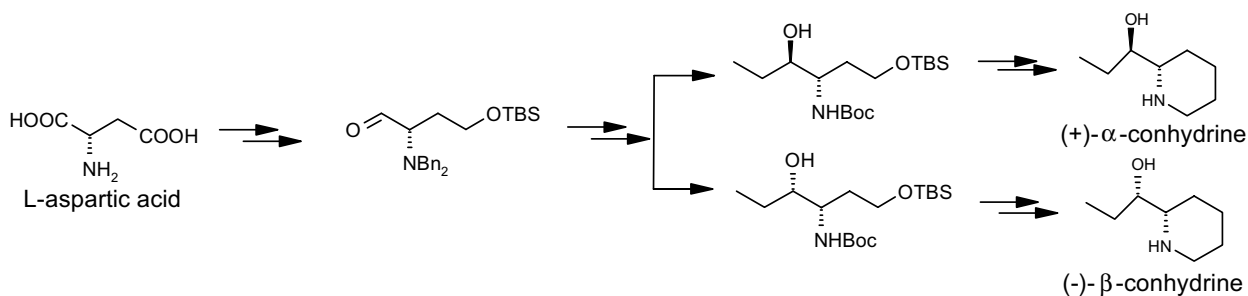
Ab initio and density functional investigations on the deoxygenation of *cis*-2,3-dimethylepoxide by PPh₃ reveals a two-step mechanism. Simultaneous ring opening and C–C bond rotation results in oxaphosphetane formation, rules out a betaine intermediate and is consistent with the inversion of stereochemistry.



Stereoselective syntheses of (+)- α - and (–)- β -conhydrine from L-aspartic acid

Satyendra Kumar Pandey and Pradeep Kumar*

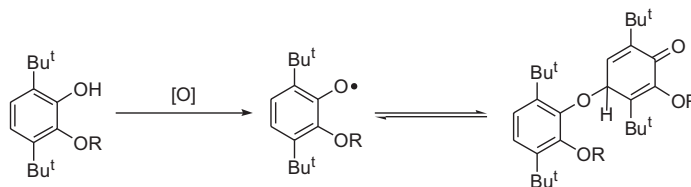
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The oxidation of 2-alkoxy-3,6-di-*tert*-butylphenols. The reversible dimerization of 2-alkoxy-3,6-di-*tert*-butylphenoxy radicals

Gleb A. Abakumov, Vladimir K. Cherkasov, Vladimir I. Nevodchikov, Nikolai O. Druzhkov, Georgii K. Fukin, Yurii A. Kursky and Alexandr V. Piskunov*

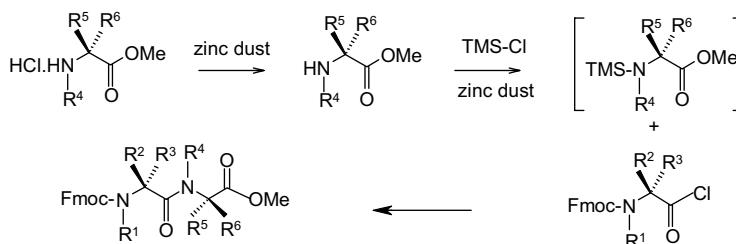
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N-Silylation of amines and amino acid esters under neutral conditions employing TMS-Cl in the presence of zinc dust

Vommina V. Suresh Babu,* Ganga-Ramu Vasanthakumar and Subramanyam J. Tantry

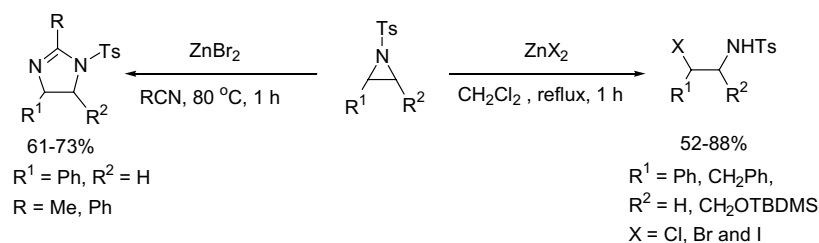
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An efficient route to regioselective opening of *N*-tosylaziridines with zinc(II) halides

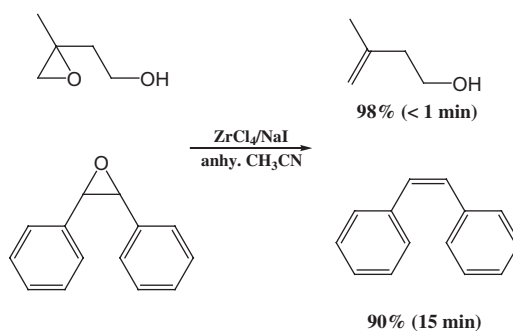
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Manas K. Ghorai,* Kalpataru Das, Amit Kumar and Koena Ghosh

**Rapid, highly efficient and stereoselective deoxygenation of epoxides by ZrCl_4/NaI**

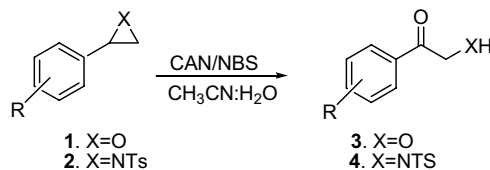
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Habib Firouzabadi,* Nasser Iranpoor* and Maasoumeh Jafarpour

**A mild and efficient procedure for the oxidation of epoxides and aziridines using cerium(IV) ammonium nitrate and NBS**

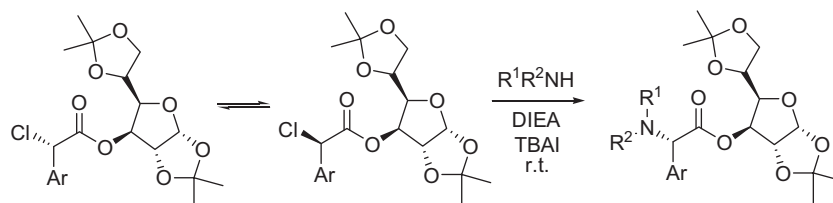
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K. Surendra, N. Srilakshmi Krishnaveni and K. Rama Rao*

**Dynamic kinetic resolution of α -chloro esters in asymmetric nucleophilic substitution using diacetone-D-glucose as a chiral auxiliary**

pp 4115–4117

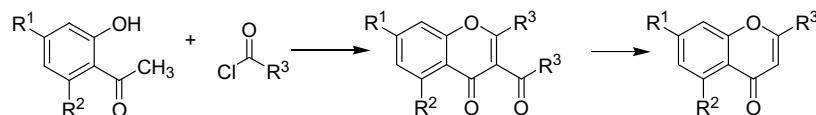
Hyun Jung Kim, Eun-kyoung Shin, Ji-yeon Chang, Yongtae Kim and Yong Sun Park*



Synthesis and properties of 3-acyl- γ -pyrones, a novel class of flavones and chromones

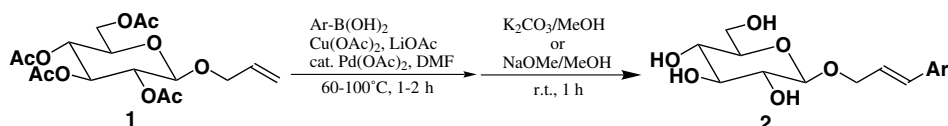
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A. K. Ganguly,* S. Kaur, P. K. Mahata, D. Biswas, B. N. Pramanik and T. M. Chan

**Simple synthesis of phenylpropenoid β -D-glucopyranoside congeners based on Mizoroki–Heck type reaction of organoboron reagents**

pp 4123–4125

Masashi Kishida and Hiroyuki Akita*

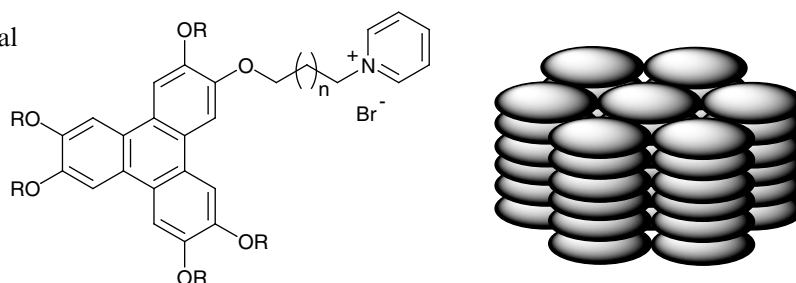


Naturally occurring phenylpropenoid β -D-glucopyranoside (2) were obtained based on the Pd(II)-catalyzed carbon–carbon bond formation between allyl 2,3,4,6-tetra-*O*-acetyl- β -D-glucopyranoside (1) and the substituted phenylboronic acids.

Ionic discotic liquid crystals: synthesis and characterization of pyridinium bromides containing a triphenylene core

pp 4127–4130

Sandeep Kumar* and Santanu Kumar Pal

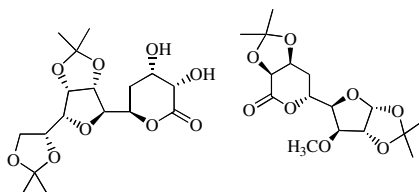


The synthesis, characterization and mesomorphic properties of five novel columnar mesophase-forming, triphenylene-based, ionic liquid crystals are described.

Stereoselective synthesis of C1–C5 and C4–C5 linked deoxy disaccharides via a ring closing metathesis protocol

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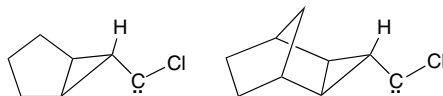
G. V. M. Sharma,* Asra Begum, K. Raman Kumar, Palakodety Radha Krishna, A. Prabhakar and A. C. Kunwar



The stereoselective synthesis of C–C linked deoxy disaccharides by a short and efficient route is described. A RCM strategy is adopted for the assembly of the required ring skeleton on the sugar chiron, while *cis*-dihydroxylation was used to introduce the *vic*-diol.

Activation energies for the 1,2-carbon migration of ring-fused cyclopropylchlorocarbenes**pp 4137–4141**

Gaosheng Chu, Robert A. Moss,* Ronald R. Sauers,* Robert S. Sheridan* and Peter S. Zuev

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*Corresponding author

i+ Supplementary data available via ScienceDirect

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