

Tetrahedron Letters Vol. 50, No. 12, 2009

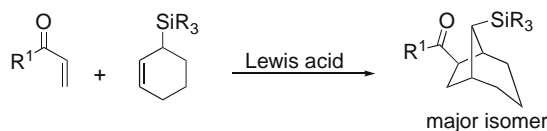
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Communications

A formal [3+2] cycloaddition for the synthesis of bicyclo[3.2.1]octanes

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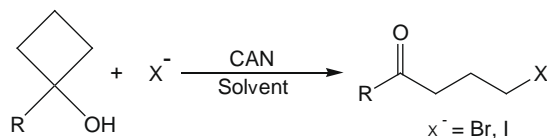
Crina M. Orac, Stephen C. Bergmeier *



Synthesis of γ -halogenated ketones via the Ce(IV)-mediated oxidative coupling of cyclobutanols and inorganic halides

pp 1264–1266

Brian M. Casey, Cynthia A. Eakin, Robert A. Flowers II *



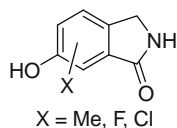
A convenient method for the synthesis of γ -halo ketones from 1-substituted cyclobutanols has been developed.



Synthesis of methyl-, fluoro-, and chloro-substituted 6-hydroxyisoindolin-1-ones

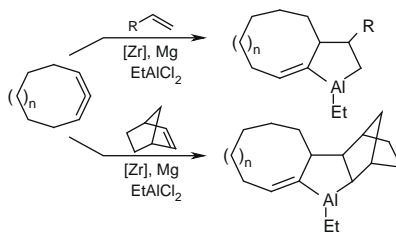
pp 1267–1269

James J. Powers *, David A. Favor *, Trent Rankin, Rashmi Sharma, Chetan Pandit, Azhvarsamy Jeganathan, Samarendra N. Maiti

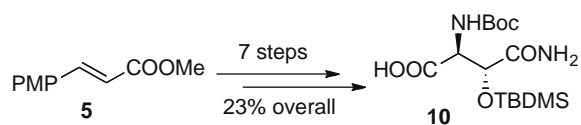


Combined cycloalumination of cyclic 1,2-dienes and olefins with EtAlCl₂ in the presence of Cp₂ZrCl₂ catalyst

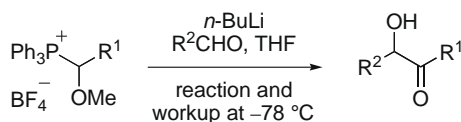
pp 1270–1272

Vladimir A. D'yakonov ^{*}, Rustam K. Timerkhanov, Tatiana V. Tumkina, Natal'ya R. Popod'ko, Askhat G. Ibragimov, Usein M. Dzhemilev**Asymmetric synthesis of erythro-β-hydroxyasparagine**

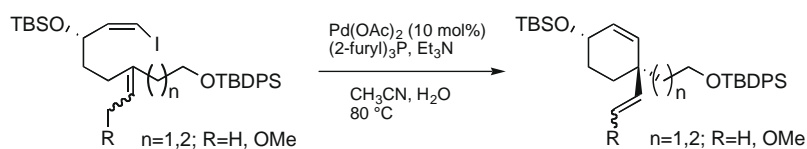
pp 1273–1275

Douglas Wong, Carol M. Taylor ^{*}*erythro*-Hydroxyasparagine building block **10** was prepared conveniently, in enantiopure form, and incorporated into a dipeptide without protection of the side chain amide.**Formation of α-hydroxyketones via irregular Wittig reaction**

pp 1276–1278

Hideki Okada, Tomonori Mori, Yoko Saikawa ^{*}, Masaya Nakata ^{*}**Diastereoselective construction of chiral building blocks for the synthesis of indole alkaloids using an intramolecular Heck reaction**

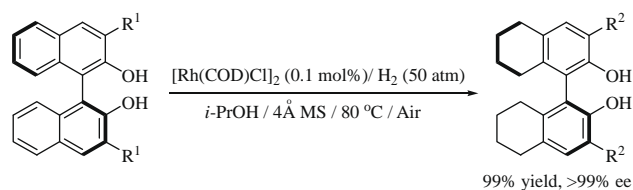
pp 1279–1281

Yuri Murakami, Masahiro Yoshida, Kozo Shishido ^{*}

A simple and highly effective method for hydrogenation of arenes by [Rh(COD)Cl]₂

pp 1282–1285

Da-Wei Wang, Sheng-Mei Lu, Yong-Gui Zhou *

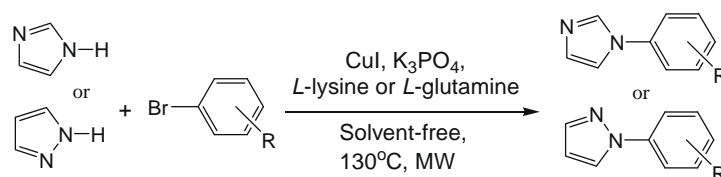


Hydrogenation of arenes, including chiral BINOLs and the lignin model compounds, has been achieved efficiently by using the simple complex [Rh(COD)Cl]₂ as catalyst precursor.

**Microwave-assisted solvent-free N-arylation of imidazole and pyrazole**

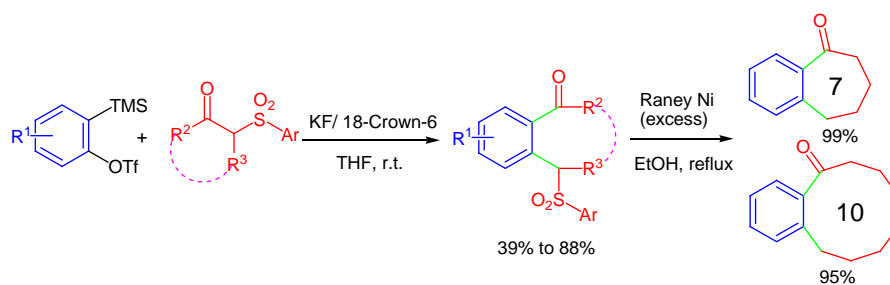
pp 1286–1289

Wai Shan Chow, Tak Hang Chan *

**Ring expansion reaction of α-sulfonyl cyclic ketones via insertion of arynes into C–C: a facile and mild access to medium- and large-sized benzannulated carbocycles**

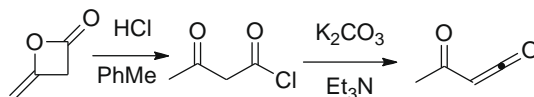
pp 1290–1294

Tiexin Zhang, Xian Huang *, Jian Xue, Sha Sun

**Sodium carbonate as a solid-phase reagent for the generation of acetylketene**

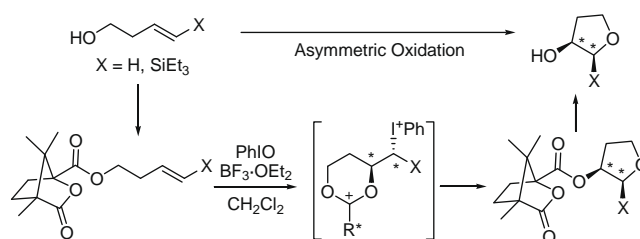
pp 1295–1297

Kelcey Bell, Dhandapani V. Sadasivam, Indra Reddy Gudipati, Hua Ji, David Birney *



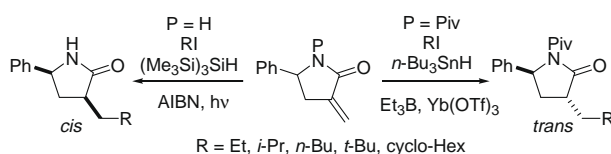
Asymmetric cycloetherification based on a chiral auxiliary for 4-acyloxy-1-butene substrates during oxidation with iodobenzene via a 1,3-dioxan-2-yl cation

pp 1298–1300

Morifumi Fujita^{*}, Yuuya Ookubo, Takashi Sugimura

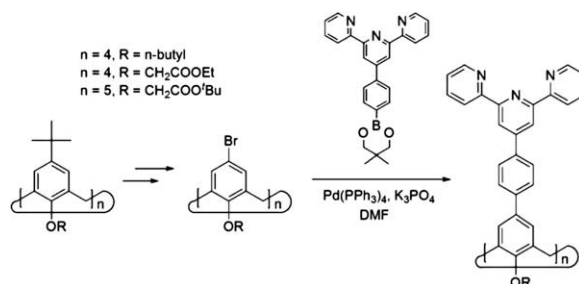
Highly cis- and trans-selective alkyl radical addition to α -methylene- γ -phenyl- γ -butyrolactams

pp 1301–1302

Tomoko Yajima^{*}, Masako Hamano, Hajime Nagano^{*}

Synthesis of terpyridine-substituted calix[*n*]arenes

pp 1303–1306

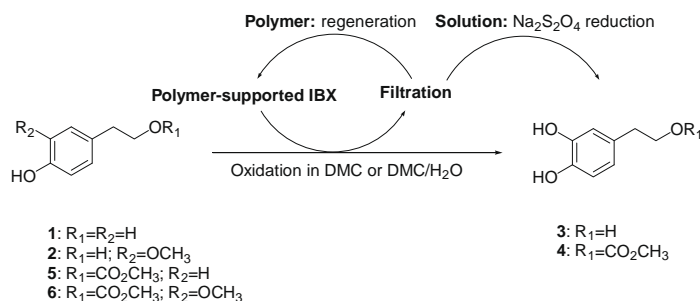
Junmin Liu, Markus Tonigold, Björn Bredenkötter, Tobias Schröder, Jochen Mattay^{*}, Dirk Volkmer^{*}

Calix[*n*]arenes (*n* = 4,5) comprising 4-(2,2':6',2''-terpyridyl)-phenyl substituents at the upper rim were synthesized for the first time, employing Suzuki-type coupling reactions.



A novel use of the recyclable polymer-supported IBX: an efficient chemoselective and regioselective oxidation of phenolic compounds. The case of hydroxytyrosol derivatives.

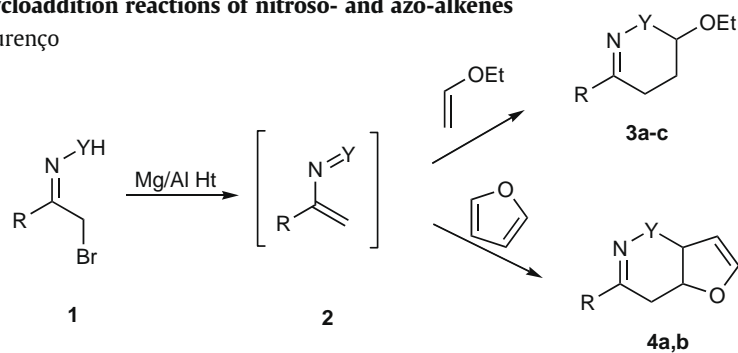
pp 1307–1310

Roberta Bernini^{*}, Enrico Mincione, Fernanda Crisante, Maurizio Barontini, Giancarlo Fabrizi

Hydrotalcite catalysed [4+2] cycloaddition reactions of nitroso- and azo-alkenes

Américo Lemos ^{*}, João Paulo Lourenço

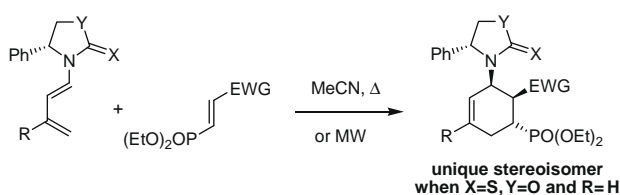
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(R)-4-phenyloxazolidin-2-thione: an efficient chiral auxiliary for [4+2] cycloaddition of 1-aminodiene and activated phosphonodienophiles

Jean-Christophe Monbaliu, Raphaël Robiette, Daniel Peeters, Jacqueline Marchand-Brynaert ^{*}

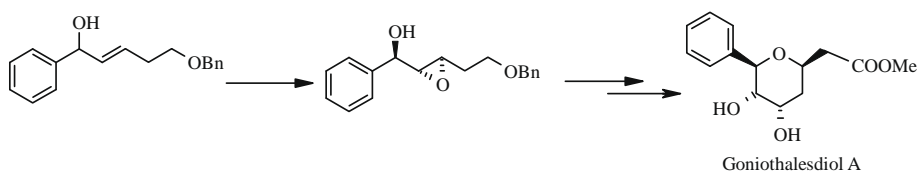
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First stereoselective total synthesis of Goniotaldesdiol A

J. S. Yadav ^{*}, N. Rami Reddy, V. Harikrishna, B. V. Subba Reddy

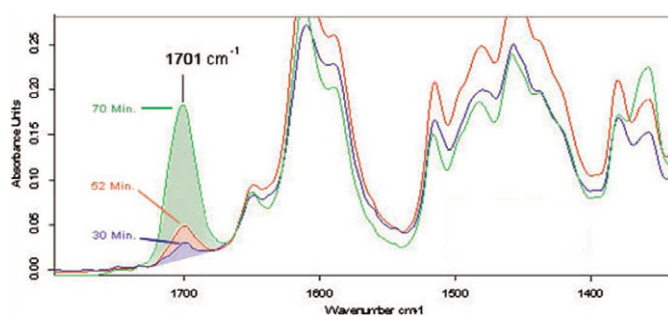
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Real time observation of microwave-enhanced reactions via fast FTIR spectroscopy

Eberhard Heller ^{*}, Werner Lautenschläger, Ulrike Holzgrabe

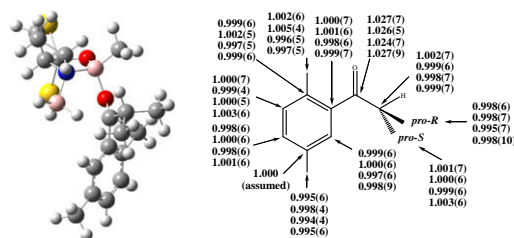
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Experimental transition state for the Corey–Bakshi–Shibata reduction

pp 1324–1327

Jaime Saavedra, Sean E. Stafford, Matthew P. Meyer *

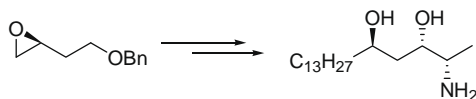


Isotope effects and a computational model of the transition structure suggest unexpected origins of selectivity and reactivity in the Corey–Bakshi–Shibata reduction.

**An efficient and stereoselective route to 1-deoxy-5-hydroxy sphingosine analogues**

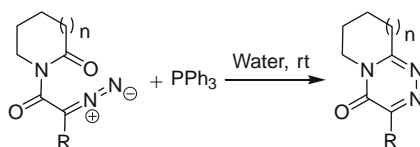
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Partha Pratim Saikia, Abhishek Goswami, Gakul Baishya, Nabin C. Barua *

**PPh₃-mediated reactions of diazoimides in water: a facile synthesis of fused triazine derivatives**

pp 1331–1334

Sengodagounder Muthusamy *, Pandurangan Srinivasan

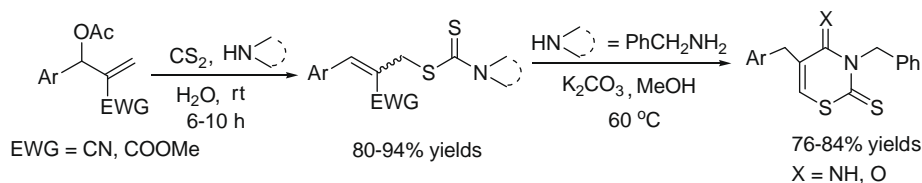


Triphenylphosphine-mediated reactions of diazoimides in water were carried out under mild conditions to afford several triazine derivatives in high yields. This reaction represents an environment friendly methodology to synthesize triazines.

An easy access to functionalized allyl dithiocarbamates from Baylis–Hillman adducts in water

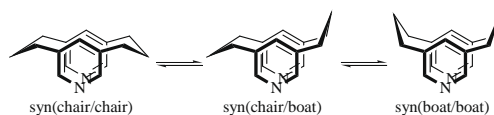
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Lal Dhar S Yadav *, Rajesh Patel, Vishnu P. Srivastava

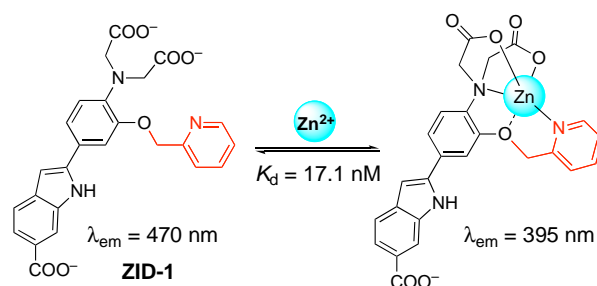


A conformational study of [3.3](3,5)pyridinophane

pp 1340–1344

Masahiko Shibahara ^{*}, Motonori Watanabe, Masahiko Suenaga, Keiko Ideta, Taisuke Matsumoto, Teruo Shinmyozu ^{*}**Development of ratiometric fluorescent probe for zinc ion based on indole fluorophore**

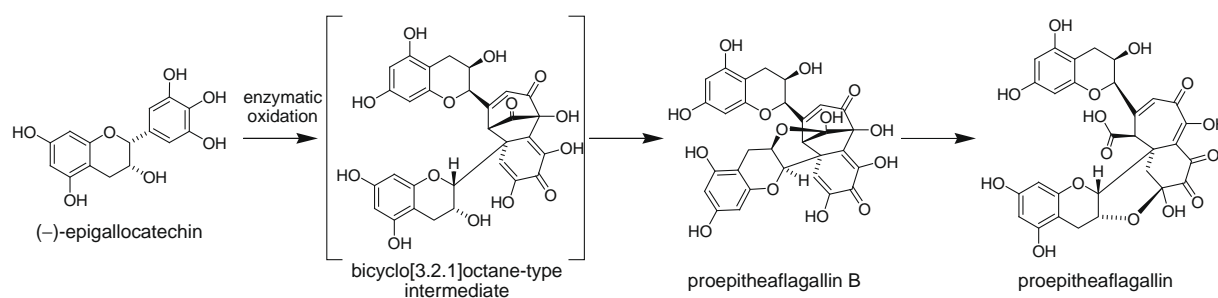
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Masayasu Taki ^{*}, Yasumasa Watanabe, Yukio Yamamoto

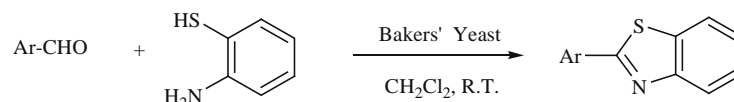
A new ratiometric fluorescent probe ZID-1 exhibits a large shift of 77 nm in the emission spectrum upon complexation with zinc ion.

**Production mechanism of proepitheaflagallin, a precursor of benzotropolone-type black tea pigment, derived from epigallocatechin via a bicyclo[3.2.1]octane-type intermediate**

pp 1348–1351

Yosuke Matsuo, Takashi Tanaka ^{*}, Isao Kouno**Bakers' yeast catalyzed synthesis of benzothiazoles in an organic medium**

pp 1352–1354

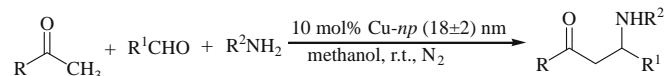
Umesh R. Pratap, Jyotirling R. Mali, Dhanaji V. Jawale, Ramrao A. Mane ^{*}

The cyclocondensation of 2-aminothiophenol and aldehydes has been carried out in dichloromethane using bakers' yeast as a catalyst for obtaining 2-aryl/heteryl benzothiazoles in good yields.

Novel one-pot Cu-nanoparticles-catalyzed Mannich reaction

pp 1355–1358

Mazaahir Kidwai*, Neeraj Kumar Mishra, Vikas Bansal, Ajeet Kumar, Subho Mozumdar



Recyclable heterogeneous Cu-nanoparticles efficiently catalyzed the one-pot three-component Mannich reaction at room temperature and afforded various β -amino carbonyl compounds in good to excellent yields.



*Corresponding author

Supplementary data available via ScienceDirect

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