

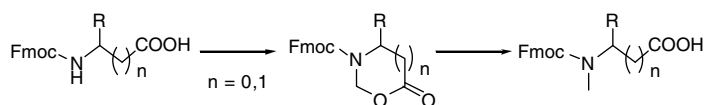
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COMMUNICATIONS

Facile synthesis of Fmoc-*N*-methylated α - and β -amino acids

pp 1691–1694

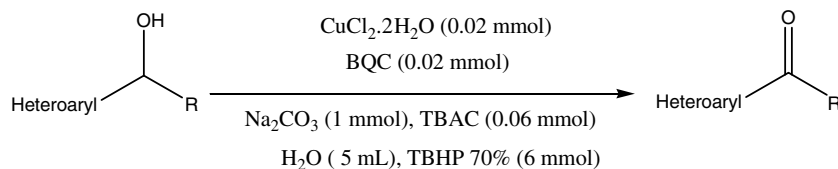
Thavendran Govender and Per I. Arvidsson*



A new and highly efficient water-soluble copper complex for the oxidation of secondary 1-heteroaryl alcohols by *tert*-butyl hydroperoxide

pp 1695–1698

Josée Boudreau, Mike Doucette and Abdelaziz Nait Ajjou*

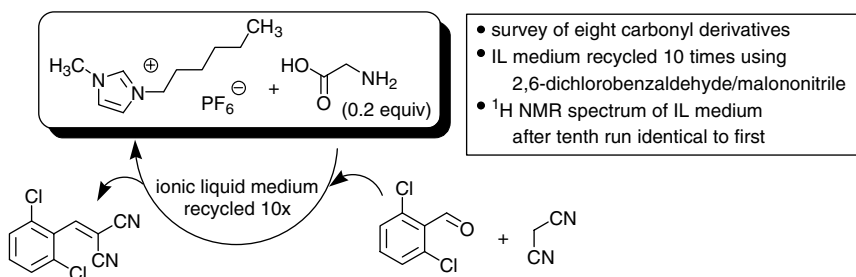


The water-soluble copper complex generated in situ from CuCl_2 and 2,2'-biquinoline-4,4'-dicarboxylic acid dipotassium salt (BQC), has been revealed as a highly efficient and selective catalyst for the oxidation of secondary 1-heteroaryl alcohols to the corresponding heteroaromatic ketones with aqueous *tert*-butyl hydroperoxide, under mild conditions. The catalytic system is compatible with different heterocycles such as pyridines, pyrroles, indoles, thiophens, furans, thiazoles, and imidazoles.

The Knoevenagel reaction: analysis and recycling of the ionic liquid medium

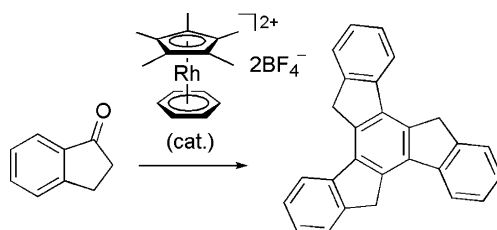
pp 1699–1703

David C. Forbes,* Amanda M. Law and Doug W. Morrison



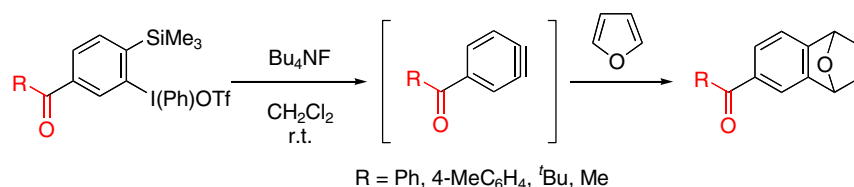
Rhodium-catalyzed direct aldol condensation of ketones: a facile synthesis of fused aromatic compounds pp 1705–1708

Hiroki Terai, Hikaru Takaya* and Takeshi Naota*

**Efficient generation and trapping of acylbenzynes from hypervalent iodine compounds**

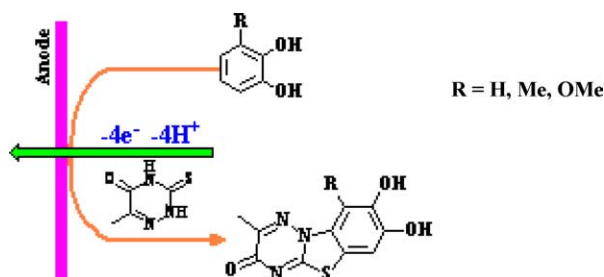
pp 1709–1712

Tsugio Kitamura,* Yoshiki Aoki, Shingo Isshiki, Kanako Wasai and Yuzo Fujiwara

**An efficient electrochemical method for a unique synthesis of new derivatives of 7H-thiazolo[3,2-b]-1,2,4-triazin-7-one**

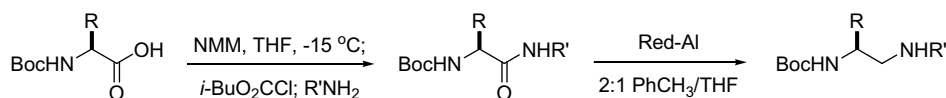
pp 1713–1716

L. Fotouhi,* D. Nematollahi,* M. M. Heravi and E. Tammari

**Efficient preparation of chiral diamines via Red-Al reduction of *N*-Boc-protected amino acid-derived secondary amides**

pp 1717–1720

Eric A. Voight,* Matthew S. Bodenstein, Norihiro Ikemoto and Michael H. Kress

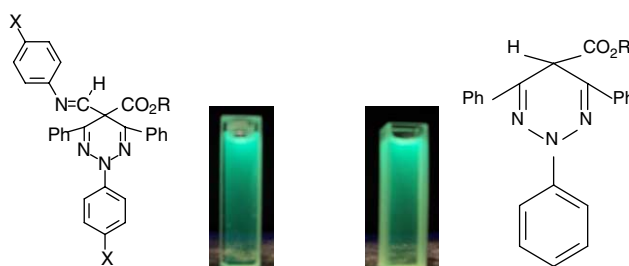


Conditions have been developed for the selective reduction of *N*-Boc-protected amino acid-derived secondary amides, avoiding the formation of overreduction and cyclic urea byproducts. The method is showcased by the efficient formal synthesis of NK-1 antagonist LY303870.

New reactive fluorophores in the 1,2,3-triazine series

pp 1721–1724

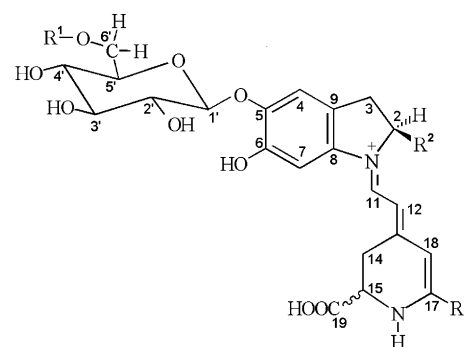
Richard N. Butler,* Aoife M. Fahy, Anthony Fox, John C. Stephens, P. McArdle, D. Cunningham and Alan G. Ryder

**¹H and ¹³C NMR spectroscopic structural elucidation of new decarboxylated betacyanins**

pp 1725–1728

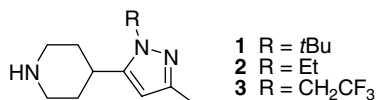
Sławomir Wybraniec,* Barbara Nowak-Wydra and Yosef Mizrahi

The first ¹H and ¹³C NMR results for 2-decarboxy-hylocerinin and other 2- and 17-monodecarboxy- as well as 2,17-bidecarboxy-betacyanins are presented.

**Regioselective synthesis of 4-(2-alkyl-5-methyl-2H-pyrazol-3-yl)-piperidines**

pp 1729–1731

Olivier Dirat,* Alex Clipson, Jason M. Elliott, Sasha Garrett, A. Brian Jones, Michael Reader and Duncan Shaw

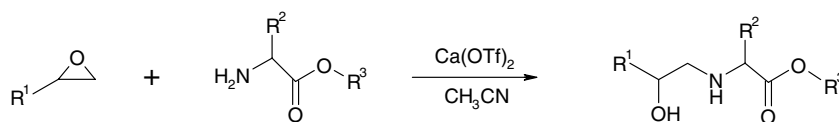


The regioselective, scaleable synthesis of **1**, **2** and **3** is discussed.

Epoxide opening with amino acids: improved synthesis of hydroxyethylamine dipeptide isosteres

pp 1733–1735

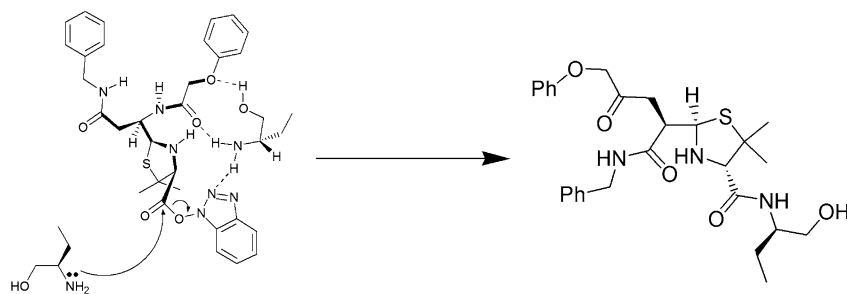
Andrej Babič, Matej Sova, Stanislav Gobec* and Slavko Pečar*



The amino acid opening of epoxides catalyzed by calcium trifluoromethanesulfonate with short reaction times is described. The method can be used in a straightforward route for the preparation of hydroxyethylamine dipeptide isosteres.

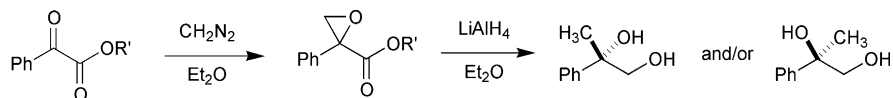
Stereoselective synthesis of a thiazolane amide using molecular recognition in the triazolyl-activated ester intermediate pp 1737–1740

Peter Styring* and Sannie S. F. Chong


Is diazomethane addition to chiral α -keto esters subject to substrate diastereocontrol?

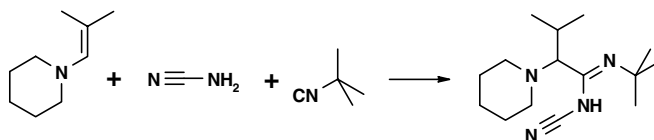
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Filip Petronijevic, Amy C. Hart and Leo A. Paquette*


Cyanamide in isocyanide-based MCRs

pp 1745–1747

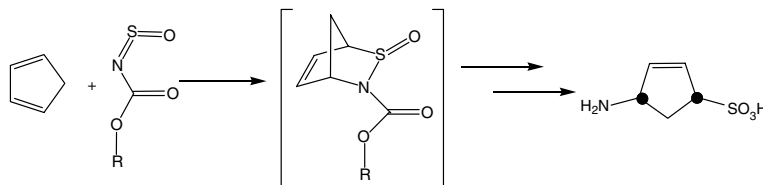
Alexander Dömling,* Eberhardt Herdtweck and Stefan Heck


 Cyanamide, isocyanides, and enamines in methanol react smoothly to give the hitherto unknown scaffold of α -amino-*N*-cyanoamidines.

Diastereoselective synthesis of β -aminocyclopentene sulfonic acid via hetero Diels–Alder reaction

pp 1749–1752

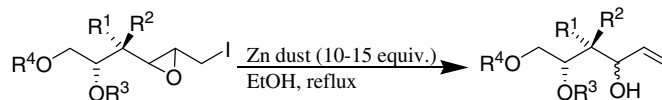
Stefania Fusi, Giovanni Papandrea and Fabio Ponticelli*



Reductive opening of glycal derived highly functionalized 2,3-epoxy-1-iodides with zinc dust: an efficient method for the synthesis of acyclic long chain polyhydroxylated terminal alkenic alcohols

pp 1753–1756

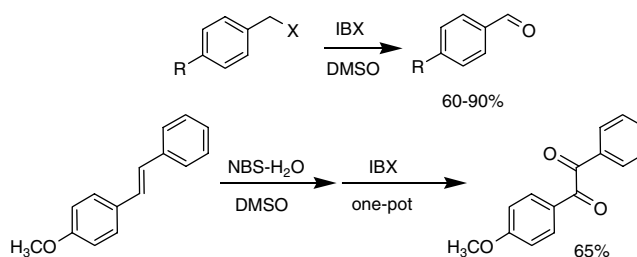
L. Vijaya Raghava Reddy, Ram Sagar and Arun K. Shaw*



Oxidations with IBX: benzyl halides to carbonyl compounds, and the one-pot conversion of olefins to 1,2-diketones

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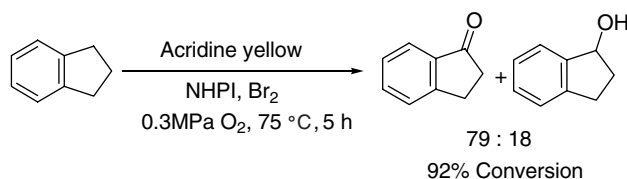
Jarugu Narasimha Moorthy,* Nidhi Singhal and Kalyan Senapati



New efficient organocatalytic oxidation of benzylic compounds by molecular oxygen under mild conditions

pp 1763–1766

Xinli Tong, Jie Xu,* Hong Miao and Jin Gao



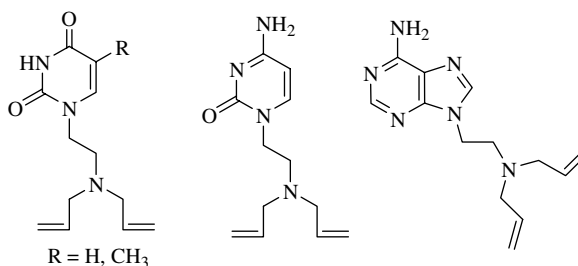
Efficient aerobic oxidation of benzylic compounds has been achieved under mild conditions without the need for metal catalyst.



Two simple protocols for the preparation of diallylaminoethyl-substituted nucleic bases: a comparison

pp 1767–1770

Rania S. Shatila and Kamal H. Bouhadir*

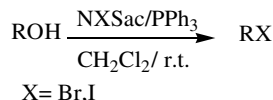


The syntheses of pyrimidine and purine nucleic bases substituted with 2-diallylaminoethyl groups are reported following two different synthetic protocols.

Facile conversion of alcohols into their bromides and iodides by *N*-bromo and *N*-iodosaccharins/triphenylphosphine under neutral conditions

pp 1771–1775

Habib Firouzabadi,* Nasser Iranpoor* and Farzaneh Ebrahimzadeh

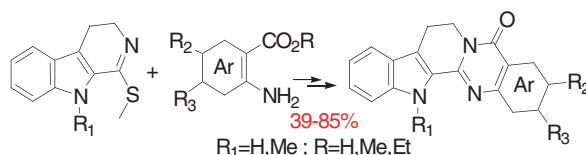


N-Bromo and *N*-iodosaccharins in the presence of triphenylphosphine convert alcohols into the corresponding bromides and iodides in good to excellent yields at room temperature under neutral conditions.

Expedious and practical synthesis of the bioactive alkaloids rutaecarpine, euxylophoricine A, deoxyvasicinone and their heterocyclic homologues

pp 1777–1781

Abdulkareem Hamid, Abdelhakim Elomri and Adam Daïch*

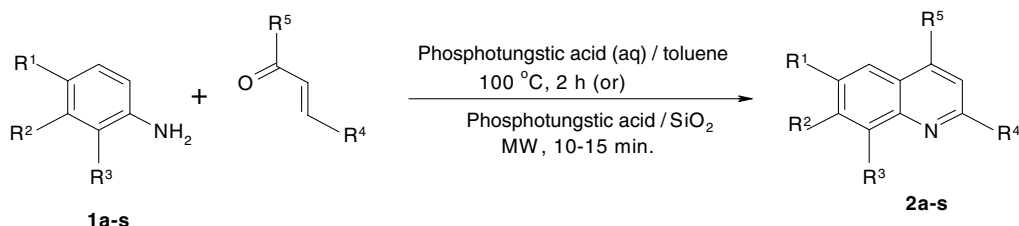


Fused pyrimido-β-carbolines including rutaecarpine, euxylophoricine A, and deoxyvasicinone were synthesized efficiently from cyclic imino-thioethers and aromatic amino acids or the corresponding amino esters in a one-pot procedure.

Synthesis of quinaldines and lepidines by a Doebner–Miller reaction under thermal and microwave irradiation conditions using phosphotungstic acid

pp 1783–1785

Ganesabaskaran Sivaprasad, Rengasamy Rajesh and Paramasivan T. Perumal*

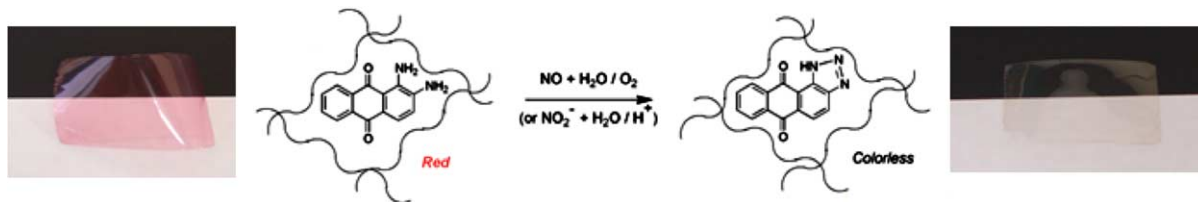


A simple and efficient method has been developed for the synthesis of quinaldines and lepidines by a one-pot reaction of anilines with crotonaldehyde or methyl vinyl ketone using phosphotungstic acid, a Keggin-type heteropoly acid, under both thermal and microwave irradiation conditions.

Cross-linked poly(2-hydroxyethylmethacrylate) films doped with 1,2-diaminoanthraquinone (DAQ) as efficient materials for the colorimetric sensing of nitric oxide and nitrite anion

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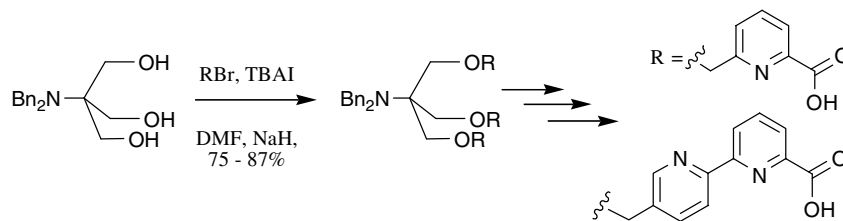
Miriam Bru, M. Isabel Burguete, Francisco Galindo,* Santiago V. Luis,* María J. Marín and Laura Vigara



Catalytic etherification of N-protected tris(hydroxymethyl)aminomethane for the synthesis of ligands with C₃ symmetry

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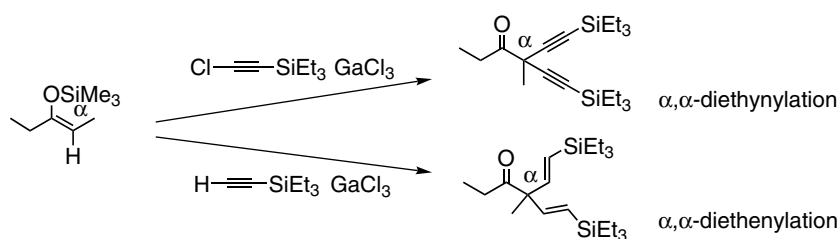
Nicolas Weibel, Loïc Charbonnière* and Raymond Ziessel*



GaCl₃ Promoted one-step α,α-diethynylation and α,α-diethenylation reactions of silyl enol ethers

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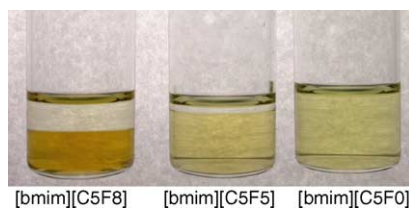
Ryo Amemiya, Yutaka Miyake and Masahiko Yamaguchi*



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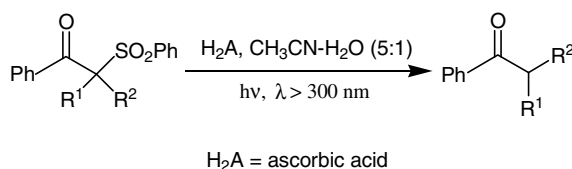
Yasuhiro Tsukada, Kazuhisa Iwamoto, Hiroyuki Furutani, Yuichi Matsushita, Yoshikazu Abe, Kei Matsumoto, Keishi Monda, Shuichi Hayase, Motoi Kawatsura and Toshiyuki Itoh*



Photochemical reductive desulfonation of β-ketosulfones by ascorbic acid

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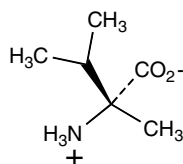
Qiang Liu, Bing Han, Zhengang Liu, Li Yang, Zhong-Li Liu* and Wei Yu*



Partial transfer of enantioselective chiralities from α -methylated amino acids, known to be of meteoritic origin, into normal amino acids

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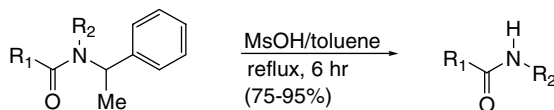
Ronald Breslow* and Mindy S. Levine



Simple and efficient cleavage of the *N*-(1-phenylethyl) unit of carboxamides with methanesulfonic acid

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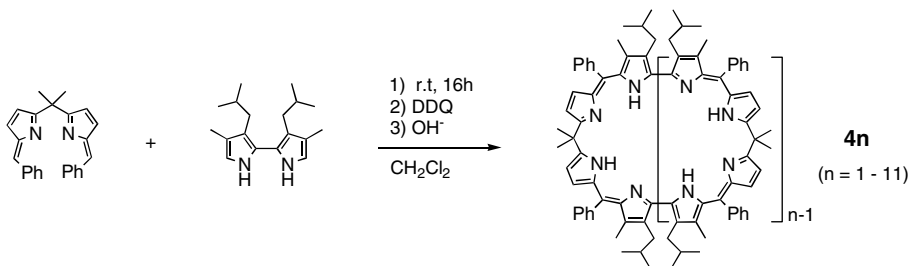
Seunguk Paik* and Jun Young Lee



Synthesis of isocorrole and the higher homologues

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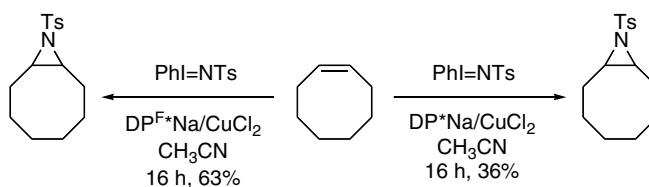
Jun-ichiro Setsune,* Aki Tsukajima and Junko Watanabe



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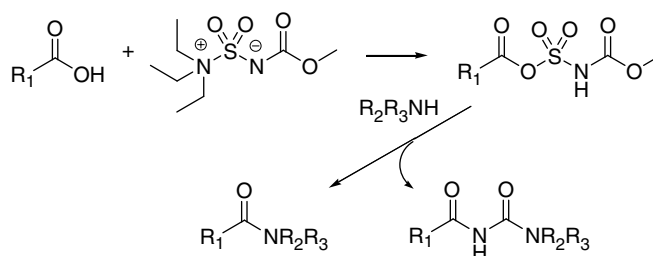
Scott T. Handy,* Anatole Ivanow and Mark Czopp



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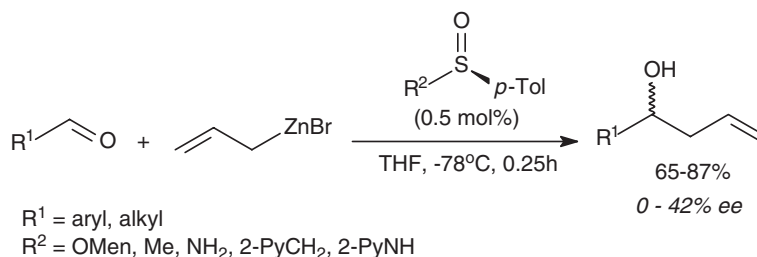
Derek Wodka, Michael Robbins, Ping Lan, Rogelio L. Martinez, John Athanasopoulos and Gergely M. Makara*



Enantioselective allylation of aldehydes promoted by chiral sulfur reagents

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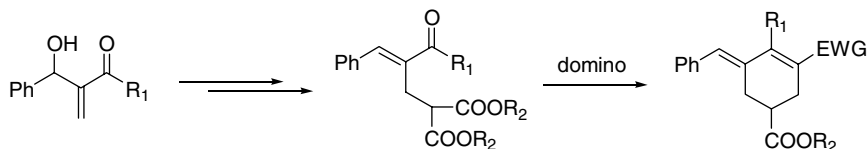
Rosanne P. A. Melo, Juliana A. Vale, Gilson Zeni and Paulo H. Menezes*



Base-catalyzed domino reaction toward 3-benzylidenecyclohexenes: DBU-promoted sequential Michael, aldol, dehydration, and dealkoxycarbonylation

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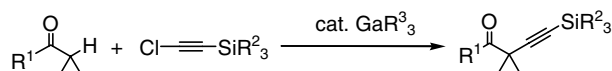
Mi Jung Lee, Da Yeon Park, Ka Young Lee and Jae Nyoung Kim*



α -Ethylation reaction of ketones using catalytic amounts of trialkylgallium base

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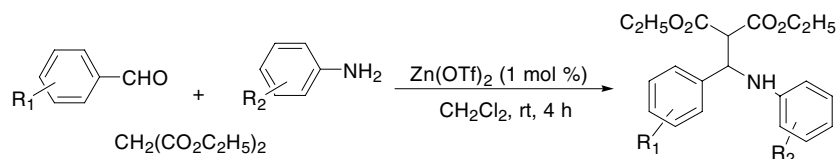
Yoshio Nishimura, Ryo Amemiya and Masahiko Yamaguchi*



An efficient synthesis of β -amino esters via $\text{Zn}(\text{OTf})_2$ -catalyzed Mannich-type reaction

pp 1845–1847

Wang-Ge Shou, Yun-Yun Yang and Yan-Guang Wang*

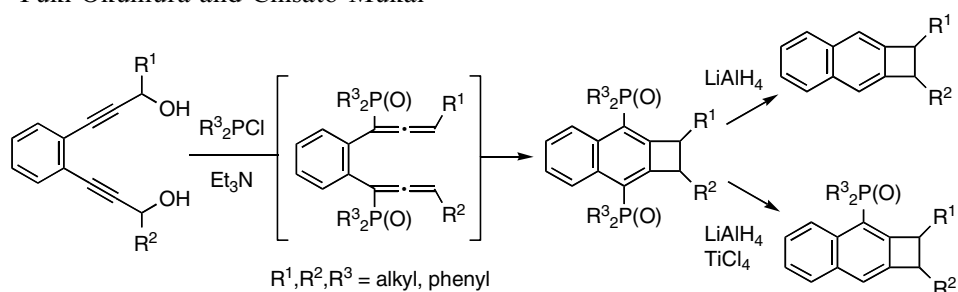


A $\text{Zn}(\text{OTf})_2$ -catalyzed three-component Mannich-type reaction of amine with aldehyde and diethyl malonic ester afforded the corresponding β -amino esters in good yields.

Synthesis of naphtho[*b*]cyclobutenes from 1,2-bis(3-propynyl)benzenes

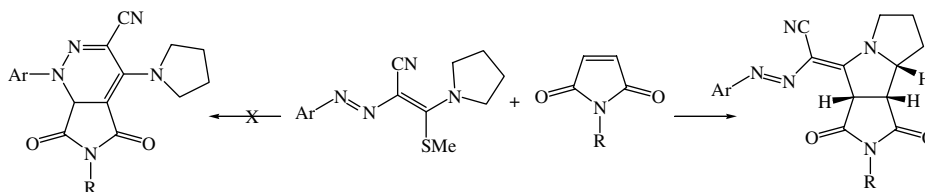
pp 1849–1852

Shinji Kitagaki,* Yuki Okumura and Chisato Mukai*

**[3+2]- Versus [4+2]-cycloaddition reactions of 3-methylsulfanyl-2-aryazo-3-(pyrrolidin-1-yl)-acrylonitriles with *N*-substituted maleimides involving pyrrolidine-derived azomethine ylides**

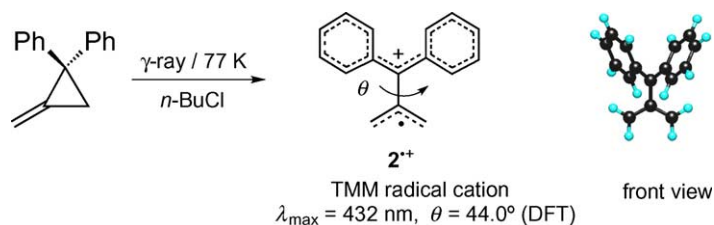
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Tatyana G. Deryabina, Natalia P. Belskaia,* Michail I. Kodess, Wim Dehaen, Suzanne Toppet and Vasiliy A. Bakulev

**Matrix isolation and DFT calculations of the TMM radical cation generated via the single electron oxidation of a methylenecyclopropane**

pp 1857–1860

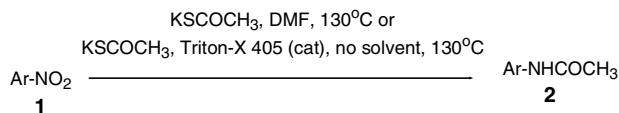
Hiroshi Ikeda,* Hayato Namai, Nobuyuki Kato and Teruyo Ikeda



One-step reductive amidation of nitro arenes: application in the synthesis of Acetaminophen™

pp 1861–1864

Apurba Bhattacharya,* Vikram C. Purohit, Victor Suarez, Ritesh Tichkule, Gaurang Parmer and Frank Rinaldi



A novel thioacetate mediated one-step reductive acetamidation of aryl nitro compounds was developed and applied to an efficient synthesis of acetaminophen.

*Corresponding author

①⁺ Supplementary data available via ScienceDirect

Full text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

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