



Tetrahedron Vol. 65, No. 4, 2009

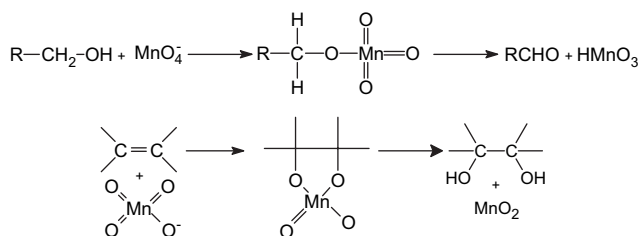
Contents

REPORT

Oxidation by permanganate: synthetic and mechanistic aspects

pp 707–739

Sukalyan Dash, Sabita Patel, Bijay K. Mishra*



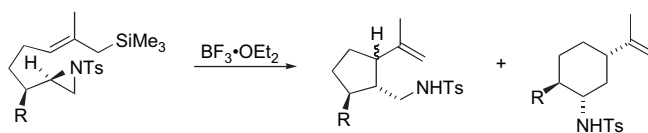
Alcohols and olefinic compounds undergo oxidation by permanganate through the formation of a substrate–Mn(VII) complex, which finally decomposes to give the desired products.

ARTICLES

Substitution effects in intramolecular aziridine–allylsilane cyclizations

pp 741–747

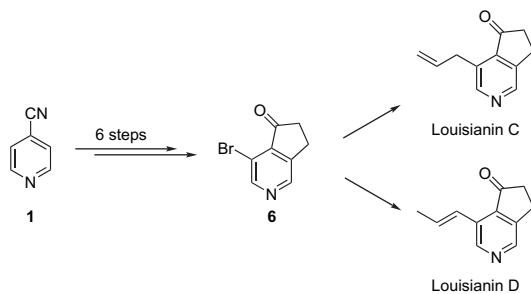
David J. Lapinsky, Aravinda B. Pulipaka, Stephen C. Bergmeier*



Efficient total syntheses of louisianins C and D

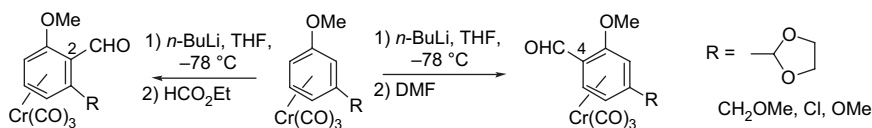
pp 748–751

Ching-Yao Chang*, Hui-Ming Liu, Ru-Ting Hsu

**Regiochemical observations depending on electrophiles in directed lithiation of 1,3-diheteroatom substituted arene tricarbonylchromium complexes**

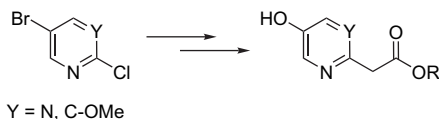
pp 752–756

Christophe Michon, Masato Murai, Mai Nakatsu, Jun'ichi Uenishi, Motokazu Uemura*

**An efficient large-scale synthesis of alkyl 5-hydroxy-pyridin- and pyrimidin-2-yl acetate**

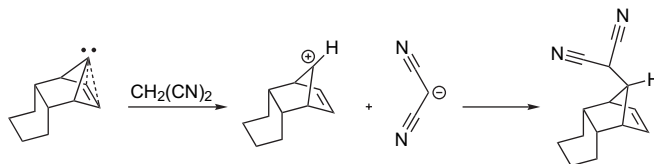
pp 757–764

Rémy Morgentin*, Frédéric Jung, Maryannick Lamorlette, Mickaël Maudet, Morgan Ménard, Patrick Plé, Georges Pasquet*, Fabrice Renaud

**Stepwise insertion of carbenes into C–H bonds: the case of foiled carbenes**

pp 765–770

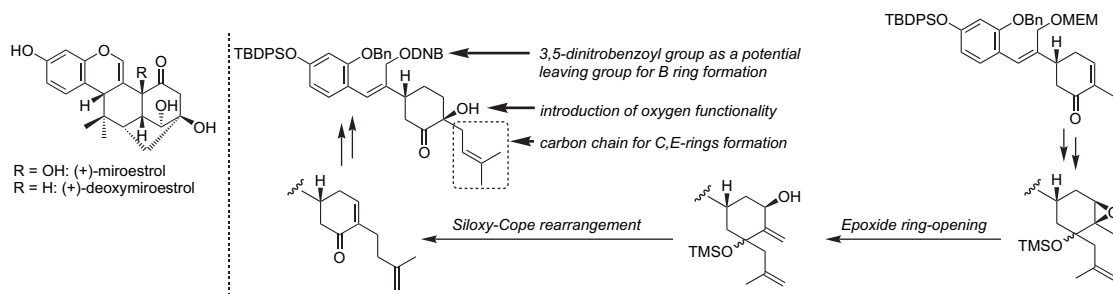
Jean-Luc Mieusset, Angelika Schrems, Michael Abraham, Vladimir B. Arion, Udo H. Brinker*



Synthetic studies toward miroestrols: trials for elongation of the methyl group of 5-substituted 2-methyl-2-cyclohexanone to 3-methyl-2-butenyl function

pp 771–785

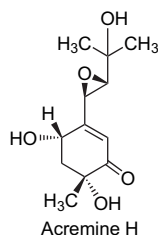
Fumihiro Ito, Takuya Kumamoto*, Kentaro Yamaguchi, Tsutomu Ishikawa*



Acremines H–N, novel prenylated polyketide metabolites produced by a strain of *Acremonium byssoides*

pp 786–791

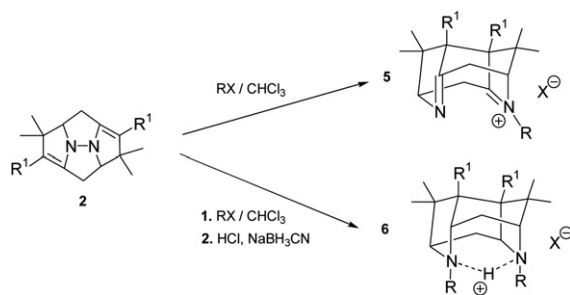
Alberto Arnone, Gemma Assante, Adriana Bava, Sabrina Dallavalle*, Gianluca Nasini*



Rearrangement of fused tetracyclic heterocycles induced by alkyl halides and formation of a new type of 'proton sponge'

pp 792–797

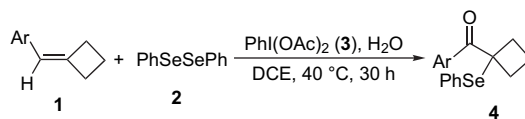
Hana Zachová, Stanislav Man, Jan Taraba, Milan Potáček*



The reaction of mono-aryl substituted methylenecyclobutanes with diphenyl diselenide in the presence of iodosobenzene diacetate and H₂O

pp 798–801

Min Jiang, Min Shi*



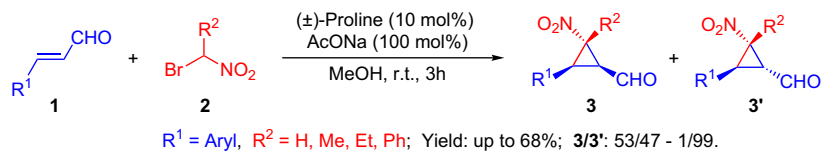
The mono-aryl substituted methylenecyclobutanes undergo a reaction with diphenyl diselenide in the presence of iodosobenzene diacetate and H₂O at 40 °C in 1,2-dichloroethane to give the corresponding aryl-(1-phenylselenyl)cyclobutyl)methanones in moderate to good yields within 30 h.



Organocatalytic conjugate addition of 1-bromonitroalkanes to α,β -unsaturated aldehydes: synthesis of nitrocyclopropanes

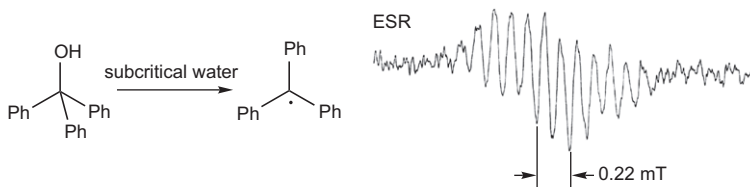
pp 802–806

Jun-min Zhang, Zhi-peng Hu, Shuang-qi Zhao, Ming Yan*


The first ESR observation of radical species in subcritical water

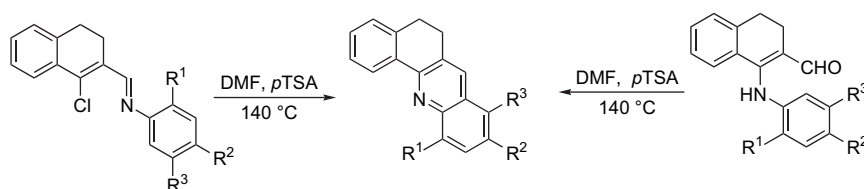
pp 807–810

Kazuya Kobiro*, Masahiko Matsura, Hiroyuki Kojima, Koichi Nakahara


Synthesis of 5,6-dihydrobenz[c]acridines: a comparative study

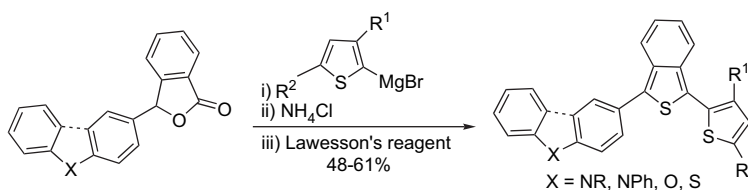
pp 811–821

P. Karthikeyan, A. Meena Rani, R. Saiganesh, K.K. Balasubramanian*, S. Kabilan*


Synthesis and characterization of benzo[c]thiophene analogs tethered with dibenzo-heterocycles as potential OLEDs

pp 822–830

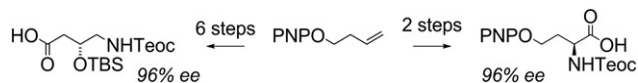
Natarajan Senthil Kumar, J. Arul Clement, Arasambattu K. Mohanakrishnan*



The asymmetric aminohydroxylation route to GABOB and homoserine derivatives

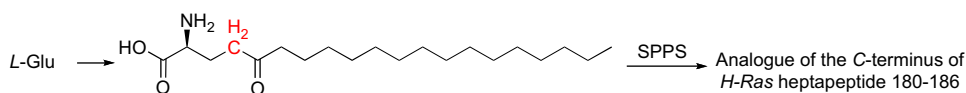
pp 831–843

Michael Harding, Jennifer A. Bodkin, Fatiah Issa, Craig A. Hutton, Anthony C. Willis, Malcolm D. McLeod*

**Synthesis and application in SPPS of a stable amino acid isostere of palmitoyl cysteine**

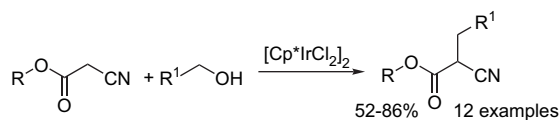
pp 844–848

Elena Cini, Lucia Raffaella Lampariello, Manuela Rodriquez, Maurizio Taddei*

**Iridium catalysed alkylation of *tert*-butyl cyanoacetate with alcohols under solvent free conditions**

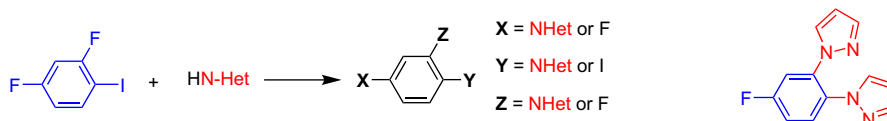
pp 849–854

Ronald Grigg*, Christian Lofberg, Simon Whitney, Visuvanathar Sridharan, Ann Keep, Andrew Derrick

**N-Arylation of nitrogen heterocycles with 2,4-difluoriodobenzene**

pp 855–861

Rukkiat Jitchati, Andrei S. Batsanov, Martin R. Bryce*



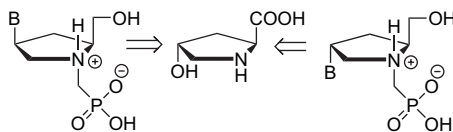
Reactions performed under basic conditions with and without copper catalysis yield a variety of *N*-arylated pyrazole, imidazole and pyrrole derivatives: regioselectivity and multiple additions have been observed.



Prolinol-based nucleoside phosphonic acids: new isosteric conformationally flexible nucleotide analogues

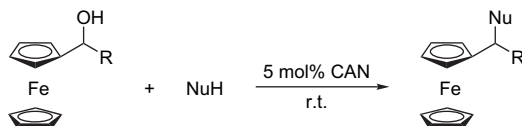
pp 862–876

Václav Vaněk, Miloš Buděšínský, Markéta Rinnová, Ivan Rosenberg*

**Cerium ammonium nitrate: an efficient catalyst for carbon–carbon bond formation from ferrocenyl alcohol substrate**

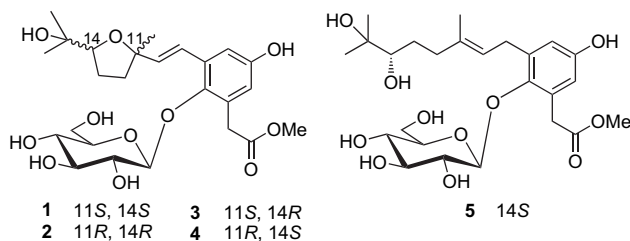
pp 877–882

Xiaoping Xu, Ran Jiang, Xiaoguang Zhou, Yu Liu, Shunjun Ji*, Yong Zhang

**Cinnacassides A–E, five geranylphenylacetate glycosides from *Cinnamomum cassia***

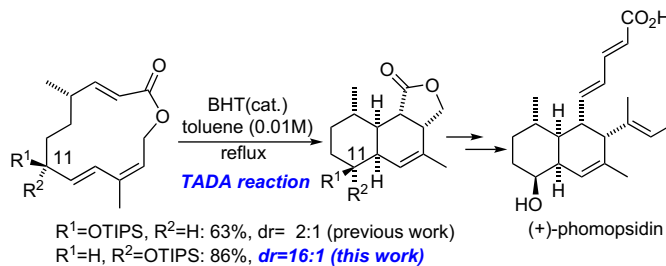
pp 883–887

Shang-Gao Liao, Tao Yuan, Chen Zhang, Sheng-Ping Yang, Yan Wu, Jian-Min Yue*

**Alternative synthetic approach for (+)-phomopsidin via the highly stereoselective TADA reaction**

pp 888–895

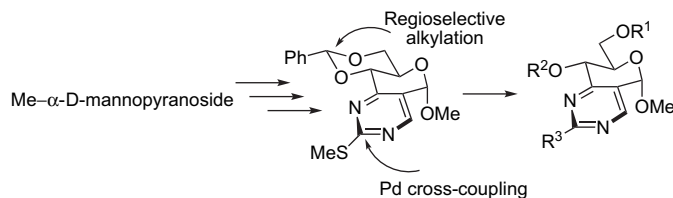
Nobuyuki Hayashi, Takahiro Suzuki, Kenji Usui, Masahisa Nakada*



Efficient functionalizations of a pyranosido-pyrimidine scaffold

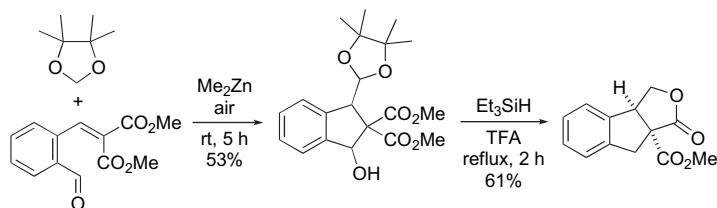
pp 896–902

Issa Samb, Nadia Pellegrini-Moïse*, Sandrine Lamandé-Langle, Yves Chapleur*

**Tandem conjugate addition–aldol cyclization of 2-formylbenzylidenemalonate with ether radicals by the mediation of dimethylzinc**

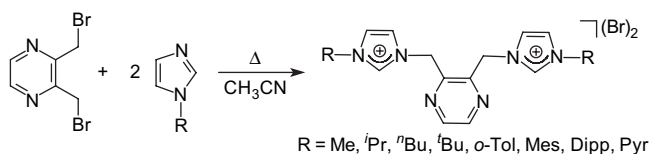
pp 903–908

Ken-ichi Yamada, Masaru Maekawa, Tito Akindele, Yasutomo Yamamoto, Mayu Nakano, Kiyoshi Tomioka*

**Synthesis of pyrazine-bridged diimidazolium salts and their application in palladium catalyzed Heck-type coupling reactions**

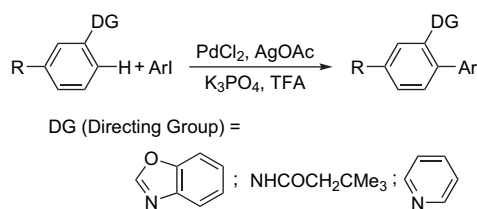
pp 909–913

Mareike C. Jahnke, Mukhtiar Hussain, Florian Hupka, Tania Pape, Saqib Ali, F. Ekkehardt Hahn*, Kingsley J. Cavell*

**Modified palladium-catalyzed regioselective *ortho*-arylation of sp^2 C–H bond substrates with a low catalyst loading**

pp 914–919

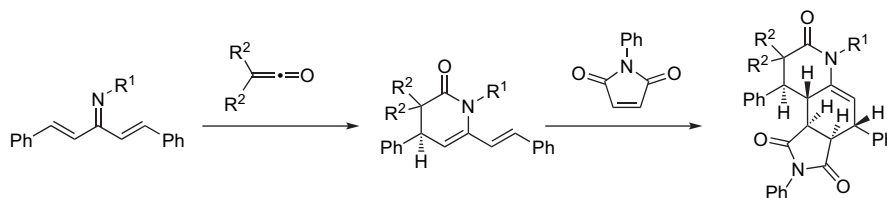
Fan Yang, Yangjie Wu*, Yanan Li, Biao Wang, Junli Zhang



A novel and efficient stereo-controlled synthesis of hexahydroquinolinones via the diene-transmissive hetero-Diels–Alder reaction of cross-conjugated azatrienes with ketenes and electrophilic dienophiles

pp 920–933

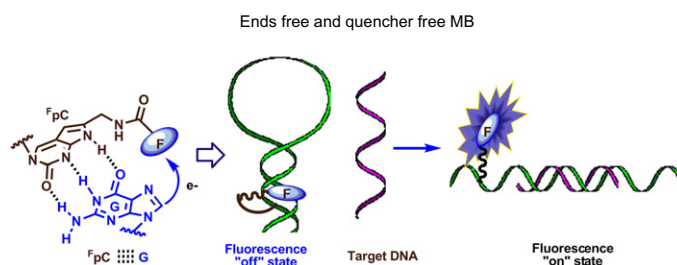
Satoru Kobayashi, Tomomi Semba, Taku Takahashi, Satoko Yoshida, Kotaro Dai, Takashi Otani, Takao Saito*



Ends free and self-quenched molecular beacon with pyrene labeled pyrrolocytidine in the middle of the stem

pp 934–939

Yoshio Saito*, Yuta Shinohara, Subhendu Sekhar Bag, Yoshiki Takeuchi, Katsuhiko Matsumoto, Isao Saito*



OTHER CONTENT

Corrigendum

p 940

*Corresponding author

Supplementary data available via ScienceDirect



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

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®



ELSEVIER

ISSN 0040-4020