

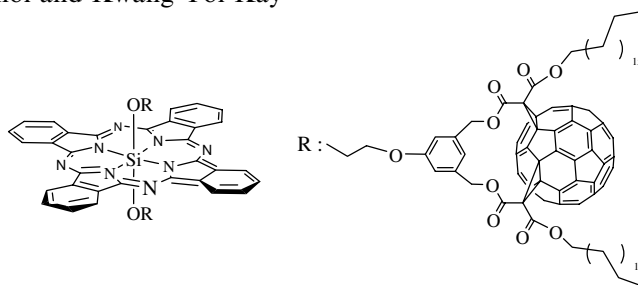
Contents

COMMUNICATIONS

A novel phthalocyanine with two axial fullerene substituents

pp 6791–6795

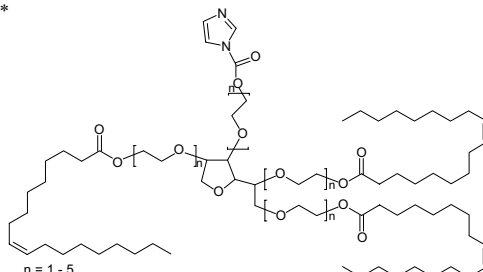
Kun Nam Kim, Chan Soo Choi and Kwang-Yol Kay*



Macromolecular imidazole–tenside conjugates with carbamate linkage

pp 6797–6799

Valentin Herbez and Fabian Fischer*

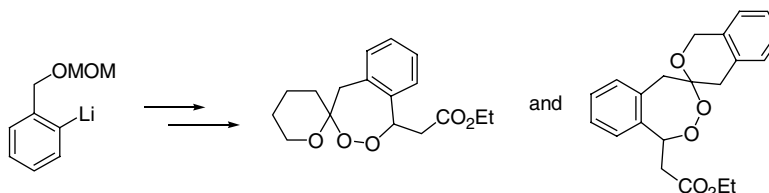


Polyethylene glycol *tert*-octylphenyl ether and polyoxyethylenesorbitan trioleate are transformed by 1,1-carbonyldiimidazole into imidazole–detergent conjugates with a carbamate linkage.

Synthesis of benzene-fused 1,7,8-trioxa-spiro[5.6]dodecanes

pp 6801–6803

Hong-Xia Jin and Yikang Wu*

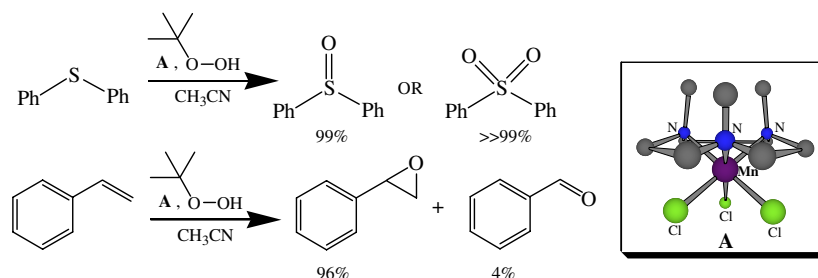


Two novel spiro-peroxides were designed and synthesized.

Sulfide oxygenation by *tert*-butyl hydroperoxide with mononuclear (Me₃TACN)Mn catalysts

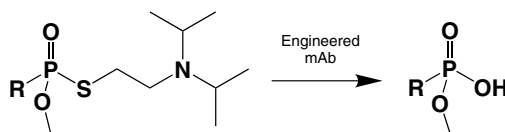
pp 6805–6808

Julia E. Barker and Tong Ren*


Immunologically driven antibodies chemical engineering: design and synthesis of a hapten aimed at nerve agent hydrolysis

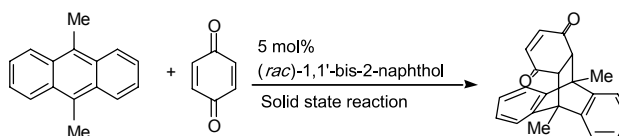
pp 6809–6814

Florence Jovic, Ludivine Louise, Charles Mioskowski and Pierre-Yves Renard*


Acceleration of solid state Diels–Alder reactions by incorporating the reactants into crystalline charge transfer complexes

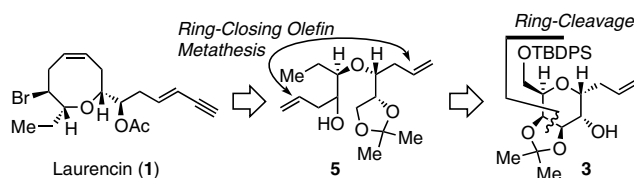
pp 6815–6818

Hiroto Watanabe and Mamoru Senna*


Synthesis of (+)-laurencin via ring expansion of a C-glycoside derivative

pp 6819–6822

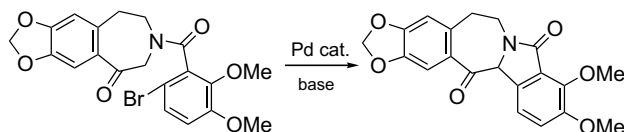
Kenshu Fujiwara,* Saori Yoshimoto, Ayumi Takizawa, Shin-ichiro Souma, Hirofumi Mishima, Akio Murai, Hidetoshi Kawai and Takanori Suzuki



Palladium-catalyzed intramolecular γ -lactam formation of an aryl halide and an enolate: synthesis of isoindolobenzazepine alkaloids, lennoxamine, 13-deoxychilenine, and chilenine

pp 6823–6825

Toshio Honda* and Yoshiaki Sakamaki

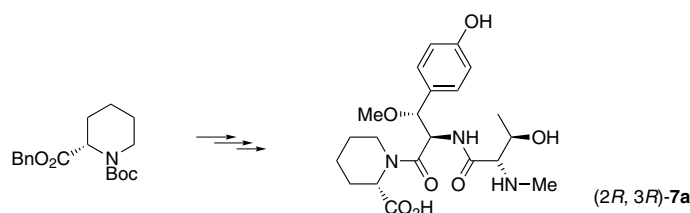


A facile synthetic path to isoindolobenzazepine alkaloids, lennoxamine, 13-deoxychilenine, and chilenine, was established by employing a palladium-catalyzed intramolecular α -arylation of the ketone, as the key step.

Synthesis of tripeptide hydrolysate from papuamide A: determination of absolute stereostructure of β -methoxytyrosine

pp 6827–6830

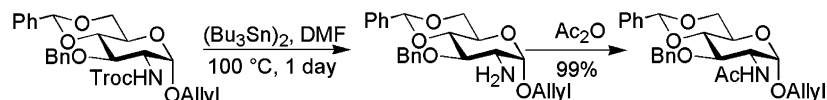
Kazuishi Makino, Eri Nagata and Yasumasa Hamada*



New deprotection method of the 2,2,2-trichloroethoxycarbonyl (Troc) group with $(\text{Bu}_3\text{Sn})_2$

pp 6831–6832

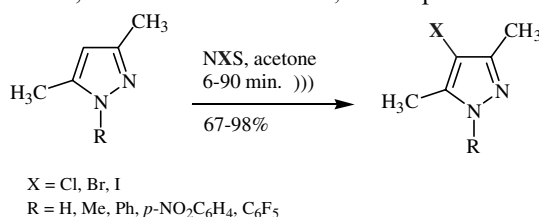
Hiroomi Tokimoto and Koichi Fukase*



A mild and efficient method for halogenation of 3,5-dimethyl pyrazoles by ultrasound irradiation using *N*-halosuccinimides

pp 6833–6837

Hélio A. Stefani,* Claudio M. P. Pereira,* Roberta B. Almeida, Rodolpho C. Braga, Karla P. Guzen and Rodrigo Cella

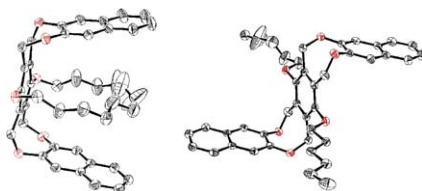


The 4-halo-3,5-dimethyl pyrazoles have been synthesized in good yields in short reaction times in the absence of a catalyst by reaction of 3,5-dimethyl pyrazoles with *N*-halosuccinimides (NBS, NCS and NIS) under ultrasound irradiation. Finally, the halogenation of pyrazoles with Br₂, ICl and I₂ was showed in similar conditions.

Conformational control of flexible molecular tweezers by intramolecular CH/ π interaction

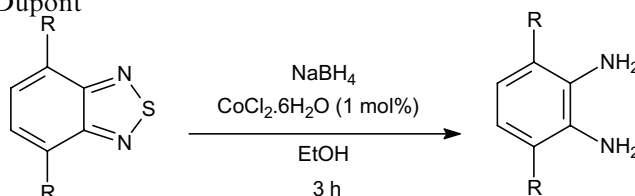
pp 6839–6842

Hajime Iwamoto, Nobuaki Takahashi, Takuma Maeda, Yusuke Hidaka and Yoshimasa Fukazawa*

**Reductive sulfur extrusion reaction of 2,1,3-benzothiadiazole compounds: a new methodology using $\text{NaBH}_4/\text{CoCl}_2 \cdot 6\text{H}_2\text{O}_{(\text{cat})}$ as the reducing system**

pp 6843–6846

Brenno A. DaSilveira Neto,* Aline S. Lopes, Martina Wüst, Valentim E. U. Costa, Günter Ebeling* and Jairton Dupont



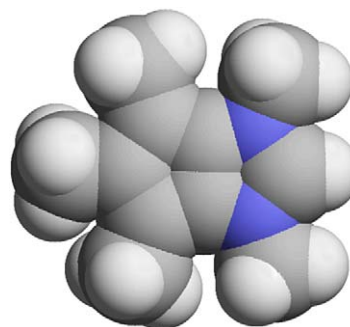
Eight aromatic diamines were prepared from 2,1,3-benzothiadiazole compounds in high yields using $\text{NaBH}_4/\text{CoCl}_2 \cdot 6\text{H}_2\text{O}_{(\text{cat})}$ as the catalytic reducing system.

A zwitterionic cyclopentadienyl annulated imidazolium salt

pp 6847–6850

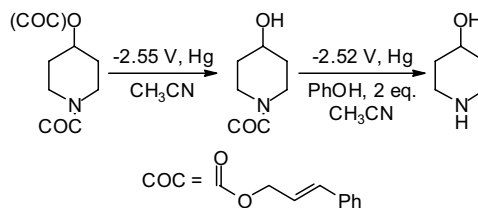
Anthony J. Arduengo, III,* Thomas P. Bannenberg, Daniela Tapu and William J. Marshall

The first directly annulated cyclopentadienyl–imidazolium salt has been synthesized and fully characterized. The zwitterion arranges itself in a hydrogen-bridged head-to-tail trimer which optimizes ionic interactions. Substantial π – π interactions are absent. The zwitterion provides a convenient starting point for new architectures of imidazolylidene–metal complexes.

**Selectivity in the electrochemical deprotection of cinnamyl groups from oxygen and nitrogen functionalities: carbonates versus carbamates**

pp 6851–6854

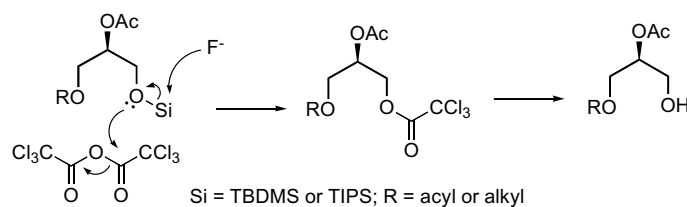
Petr Cankař, Diane Dubas, Scott C. Banfield, M'hamed Chahma and Tomas Hudlicky*



A direct transformation of *O*-silyl groups into *O*-trichloroacetates. A novel synthetic approach to protein kinase C ligands: 1-oleoyl-2-acetyl- and 1-hexadecyl-2-acetyl-*sn*-glycerols

pp 6855–6859

Stephan D. Stamatov,* Martin Kullberg and Jacek Stawinski*

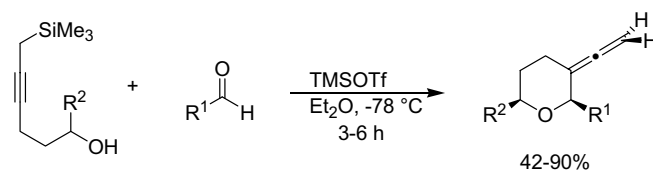


The title compounds can be obtained efficiently by making use of a direct replacement of silyl protecting groups by the trichloroacetyl, as a key synthetic step.

An efficient approach to the synthesis of 3-vinylidene tetrahydropyrans via Prins-type cyclization

pp 6861–6863

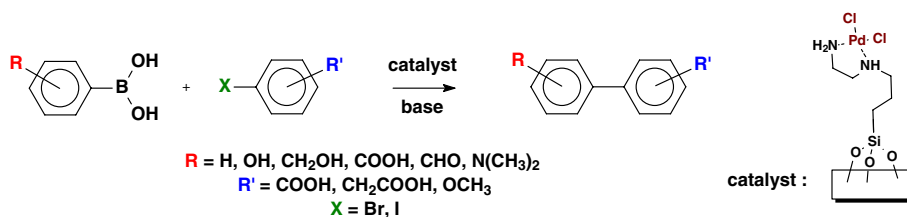
Magdalena Dziedzic, Grzegorz Lipner and Bartłomiej Furman*



Catalytic properties of several supported Pd(II) complexes for Suzuki coupling reactions

pp 6865–6869

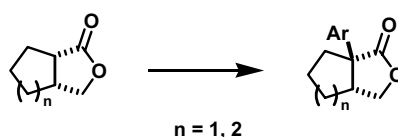
Oleksiy Vassilyev, Jengshiou Chen, Anthony P. Panarello and Johannes G. Khinast*



Efficient and scalable arylation of bicyclic lactones to form quaternary centers using conventional and microwave radiation

pp 6871–6873

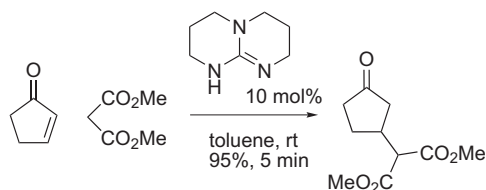
Scott C. Malcolm,* Seth Ribe, Fengjiang Wang, Michael C. Hewitt, Nandkumar Bhongle, Roger P. Bakale and Liming Shao*



1,5,7-Triazabicyclo[4.4.0]dec-5-ene (TBD) catalyzed Michael reactions

pp 6875–6878

Weiping Ye, Junye Xu, Chin-Tong Tan and Choon-Hong Tan*

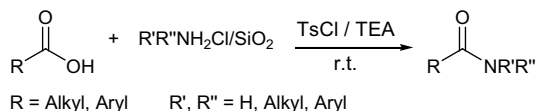


1,5,7-Triazabicyclo[4.4.0]dec-5-ene (TBD), a bicyclic guanidine base, has been found to be an excellent catalyst for Michael and Michael-type reactions. A wide variety of Michael donors and acceptors can participate in these reactions using 10–20 mol % of TBD. These reactions are mild, fast, easy to perform, produce excellent yields and can occur in several solvents without the need for strictly anhydrous conditions.

**Efficient method for the direct preparation of amides from carboxylic acids using tosyl chloride under solvent-free conditions**

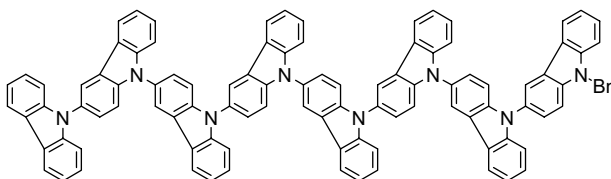
pp 6879–6882

Ali Khalafi-Nezhad,* Abolfath Parhami, Mohammad Navid Soltani Rad and Abdolkarim Zarea

**Facile synthesis of novel monodisperse linear 3,9-linked oligocarbazoles**

pp 6883–6886

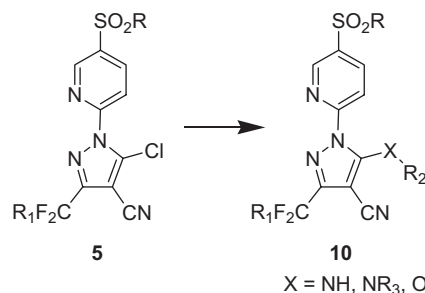
Tinghua Xu, Ran Lu,* Ming Jin, Xianping Qiu, Pengchong Xue, Chunyan Bao and Yingying Zhao

**Efficient fluoride-mediated synthesis of 5-alkyl amino- and ether-substituted pyrazoles**

pp 6887–6891

Andrei Shavnya, Subas M. Sakya,* Martha L. Minich, Bryson Rast, Kristin Lundy DeMello and Burton H. Jaynes

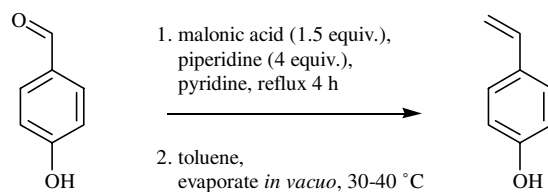
Fluoride-mediated nucleophilic substitution reactions of 1-(4-methylsulfonyl (or sulfonamido)-2-pyridyl)-5-chloro-4-cyano pyrazoles with various amines and alcohols occur under mild conditions to provide the 5-alkyl amino and ether pyrazoles in moderate to high yields.



Preparation of vinylphenols from 2- and 4-hydroxybenzaldehydes

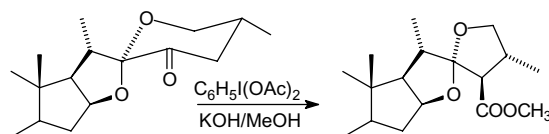
pp 6893–6896

Carol J. Simpson, Matthew J. Fitzhenry and N. Patrick J. Stamford*

**Favorskii rearrangement of 23-oxo-3-*epi*-smilagenin acetate induced by iodosobenzene**

pp 6897–6899

Martín A. Iglesias-Arteaga* and Gustavo A. Velázquez-Huerta

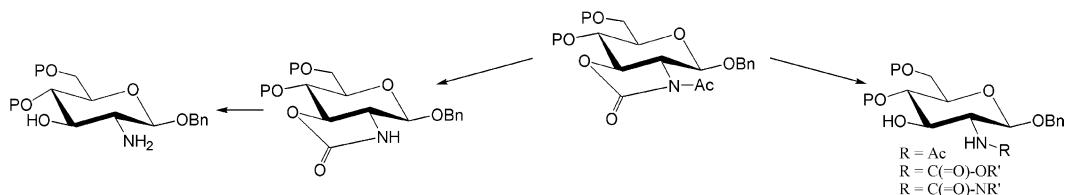


Treatment of (25*R*)-23-oxosapogenin with diacetoxyiodobenzene in KOH/MeOH led to F-ring contraction via Favorskii rearrangement.

Chemoselective deprotection and functional group interconversion of ring-fused 2*N*,3*O*-oxazolidinones of *N*-acetyl-D-glucosamine

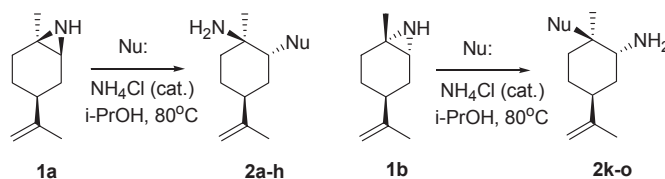
pp 6901–6905

Peng Wei and Robert J. Kerns*

**Regio- and diastereoselective synthesis of bifunctionalized limonenes**

pp 6907–6910

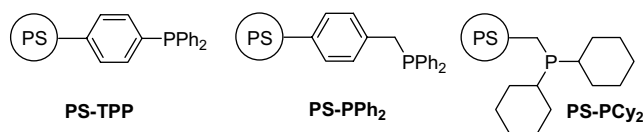
Michael V. Voronkov,* Ramanaiah C. Kanamarlapudi and Paul Richardson



Phosphine-functionalised polymer resins as Pd scavengers

pp 6911–6913

Meritxell Guinó and King Kuok (Mimi) Hii*

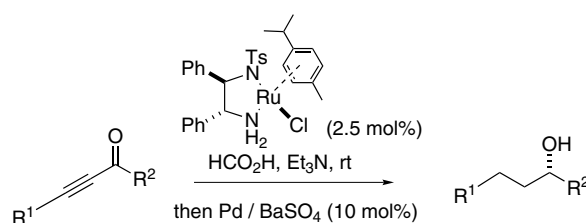


The use of three phosphine-functionalised polymer resins as scavengers of palladium catalysts from Buchwald–Hartwig aryl amination reactions was investigated.

A one-pot process for the enantioselective preparation of saturated secondary alcohols from propargyl ketones under hydrogen transfer conditions

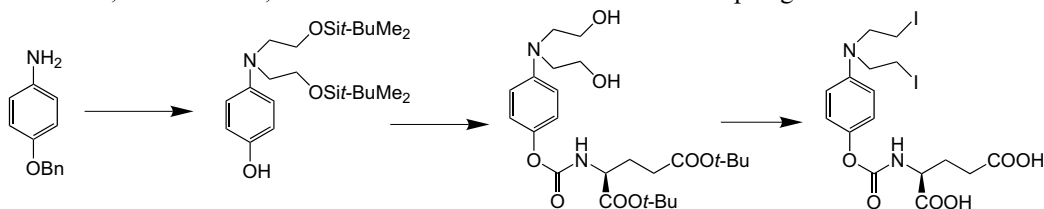
pp 6915–6918

Nicolas Bogliotti, Peter I. Dalko and Janine Cossy*

**A higher yielding synthesis of the clinical prodrug ZD2767P using di-protected 4-[N,N-bis(2-hydroxyethyl)amino]phenyl chloroformate**

pp 6919–6922

Dan Niculescu-Duvaz, Ian Scanlon, Ion Niculescu-Duvaz and Caroline J. Springer*



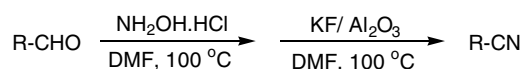
Overall yield 45%

A novel synthesis is described of the clinical trial prodrug ZD2767P that improves the overall yield from 13% to 45%.

An efficient and convenient KF/Al₂O₃ mediated synthesis of nitriles from aldehydes

pp 6923–6925

Barahman Movassagh* and Salman Shokri

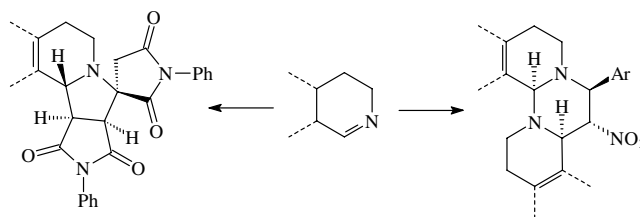


Various aldehydes are converted into the corresponding nitriles using hydroxylamine hydrochloride and KF/Al₂O₃ in one pot.

Novel reactions of 6,7-dimethoxy-3,4-dihydroisoquinoline and 3,4-dihydro- β -carboline with dipolarophiles

pp 6927–6930

Miklós Nyerges,* András Dancsó, István Bitter, Gábor Blaskó and László Tőke

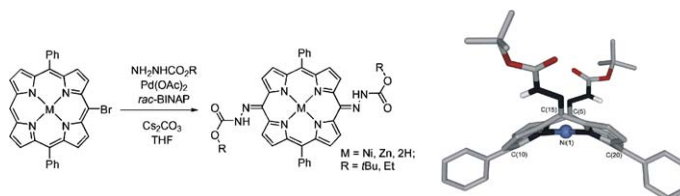


Modified porphyrinoids from carbazates and hydrazones and the first crystal structure of a di-iminoporphodimethene

pp 6931–6935

Louisa J. Esdaile, John C. McMurtrie, Peter Turner and Dennis P. Arnold*

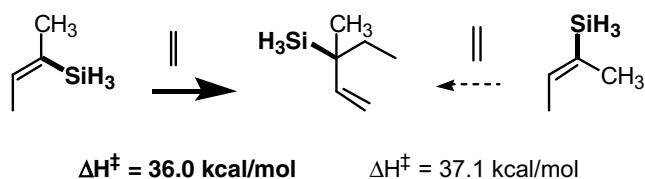
Coupling of hydrazines and hydrazones with bromoporphyrins and their Ni(II) and Zn(II) complexes under Pd catalysis, followed by oxidation, leads to novel pigments in which the porphyrin conjugation is interrupted. The crystal structure of a nickel(II) complex of this new porphyrinoid shows a saddle-like geometry.



Geminal bond participation in Alder ene reaction

pp 6937–6940

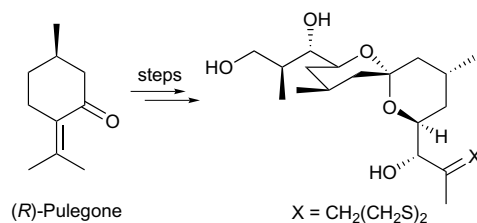
Yuji Naruse,* Tomoharu Suzuki and Satoshi Inagaki



Synthetic studies of the HIV-1 protease inhibitive didemnaketals: precise and stereocontrolled synthesis of the key mother spiroketal

pp 6941–6944

Xue Zhi Zhao, Lei Peng, Meng Tang, Yong Qiang Tu* and Shuan Hu Gao



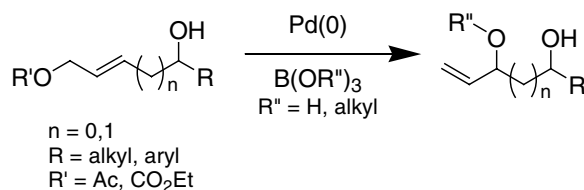
The precise and stereocontrolled synthesis of the C₉–C₂₃ portion, the key mother spiroketal of didemnaketals starting from (R)-pulegone.



Regioselective synthesis of 1,2- and 1,3-diols from ω -hydroxy allyl acetates and carbonates via Pd complexes using boric acid and trialkyl borates

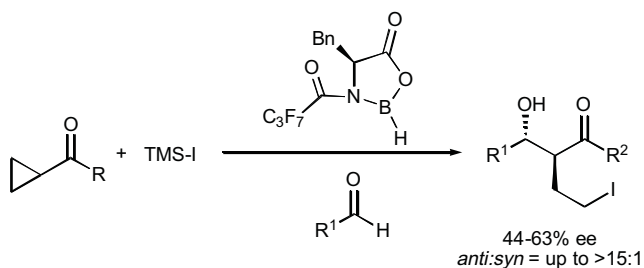
pp 6945–6948

Jérôme Cluzeau, Patrice Capdevielle and Janine Cossy*


The enantioselective halo aldol reaction utilizing cyclopropyl ketone-derived enolates

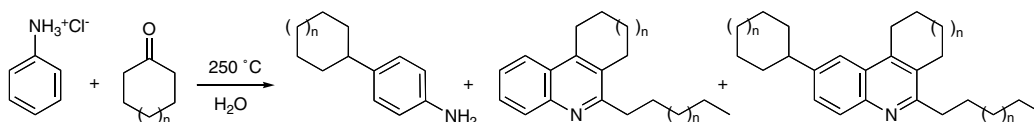
pp 6949–6952

Cody Timmons and Guigen Li*


A novel aromatic alkylation of anilines with cyclic and acyclic ketones under hydrothermal conditions

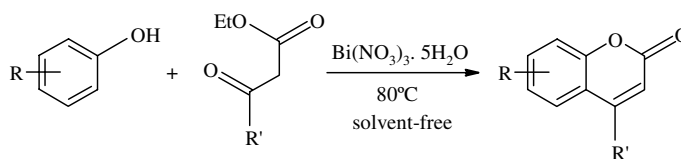
pp 6953–6956

Barun K. Mehta, Koji Kumamoto, Kazumichi Yanagisawa and Hiyoshizo Kotsuki*


Bismuth(III) nitrate pentahydrate—a mild and inexpensive reagent for synthesis of coumarins under mild conditions

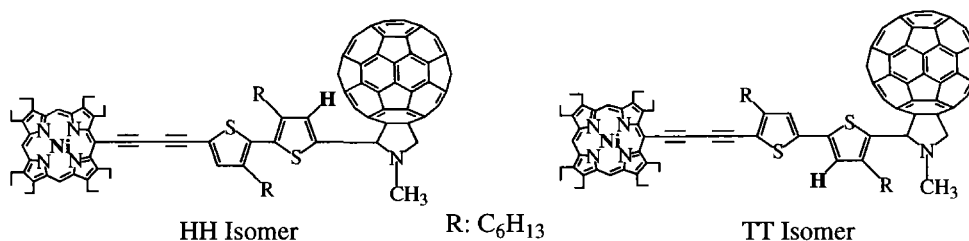
pp 6957–6959

Varughese M. Alexander, Ramakrishna P. Bhat and Shriniwas D. Samant*



Synthesis and structural and electronic properties of the octaethylporphyrin–dihexylbithiophene–fullerene derivatives (OEP–DHBTh–C₆₀) connected with diacetylene linkage**pp 6961–6965**

Naoto Hayashi, Azusa Naoe, Keiko Miyabayashi, Mikio Miyake and Hiroyuki Higuchi*

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*Corresponding author

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