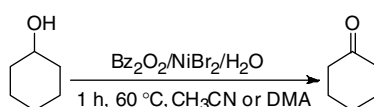


Contents

COMMUNICATIONS

Acceleration of bromide mediated benzoylperoxide oxidations of secondary alcohols in aqueous organic solvents pp 3199–3203

Jenessa Ji Youn Youm, Marcel Schlaf, Matthias Bierenstiel *

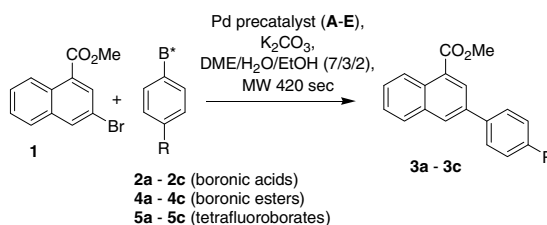


The combination of commercially available wet benzoylperoxide with NiBr₂ provides a fast and convenient oxidation reagent for 2° alcohols.



Comparison of monomode and multimode microwave equipment in Suzuki–Miyaura reactions—*en route to high throughput parallel synthesis under microwave conditions* pp 3204–3207

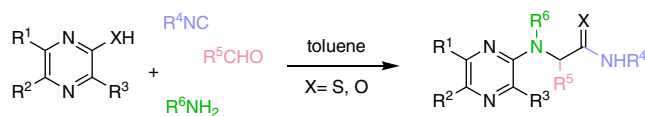
Uwe Schön *, Josef Messinger, Simone Eichner, Andreas Kirschning



Ugi/Smiles access to pyrazine scaffolds

pp 3208–3211

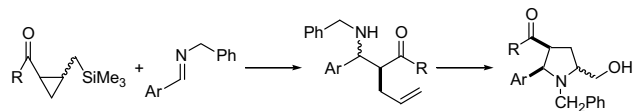
Anaëlle Barthelon, Aurélie Dos Santos, Laurent El Kaïm *, Laurence Grimaud *



New pyrazine and quinoxaline scaffolds were obtained through Ugi–Smiles coupling of pyrazinones or quinoxalinones with isocyanides, aldehydes, and primary amines.

A new synthesis of pyrrolidines via imino-aldol reaction of (2-trimethylsilylmethyl)cyclopropyl ketones with imines pp 3212–3215

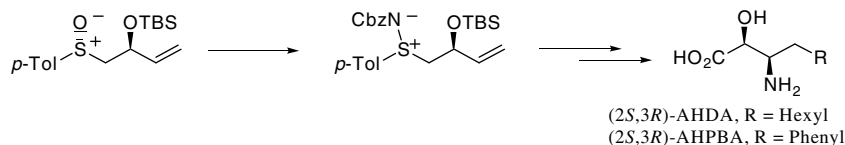
Veejendra K. Yadav *, Archana Gupta



A highly diastereoselective preparation of 2,3,5-trisubstituted pyrrolidines from the imino-aldols formed via reaction of (2-trimethylsilylmethyl)cyclopropyl ketones with the benzylimines of aromatic aldehydes is described.


Stereoselective synthesis of α -hydroxy- β -amino acid derivatives from β -hydroxy- γ,δ -unsaturated sulfilimine pp 3216–3220

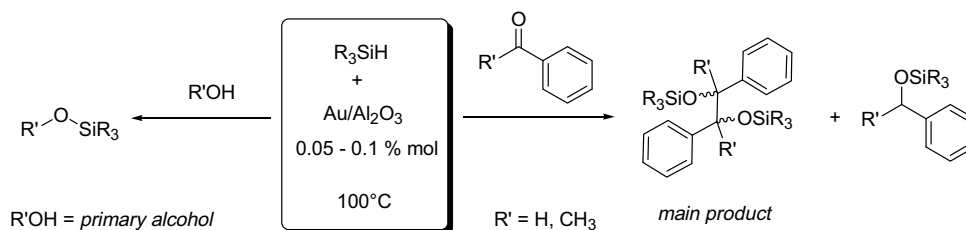
Sadagopan Raghavan *, Shaik Mustafa



The synthesis of *N*-Cbz sulfilimines from the corresponding sulfoxide with modest stereoselectivity and their utility as intramolecular nucleophiles is demonstrated by the synthesis of AHDA and AHPBA.

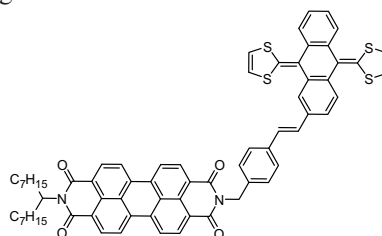
First examples of gold nanoparticles catalyzed silane alcoholysis and silylative pinacol coupling of carbonyl compounds pp 3221–3224

Patrizio Raffa *, Claudio Evangelisti, Giovanni Vitulli, Piero Salvadori


Synthesis of a π -extended TTF–perylene diimide donor–acceptor dyad

pp 3225–3228

Rafael Gómez *, Carmen Coya, José L. Segura *

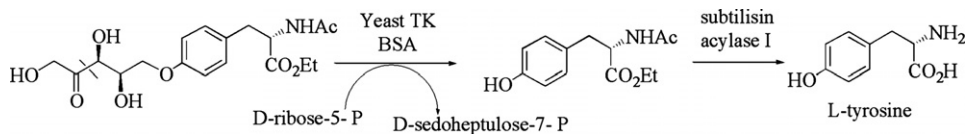


The synthesis, electrochemical and preliminary photophysical investigation of an electron donor–acceptor dyad containing perylene diimide and exTTF is described in this Letter.

Chemoenzymatic synthesis of L-tyrosine derivative for a transketolase assay

pp 3229–3233

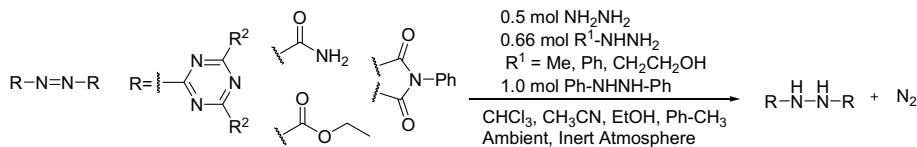
Franck Charmantray, Virgil Héline, Angelika Làsiková, Bertrand Legeret, Laurence Hecquet *



Azo bond hydrogenation with hydrazine, R-NHNH₂, and hydrazobenzene

pp 3234–3237

William M. Koppes, Jesse S. Moran, Jimmie C. Oxley *, James L. Smith



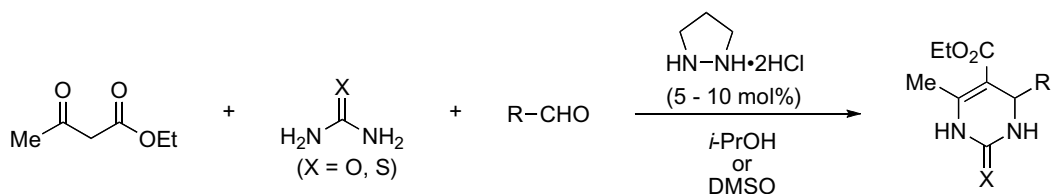
Hydrogenation of azo bonds with hydrazine, mono-substituted hydrazine, and hydrazobenzene was studied with selected diazene compounds under oxygen-free conditions. The reactions proceed rapidly and in high yield in several solvents, utilizing all N–H protons. While the reduction process is accompanied by the evolution of nitrogen gas in the case of N₂H₄, the intermediacy of diimide could not be confirmed by standard trapping experiments.



Biginelli reactions catalyzed by hydrazine type organocatalyst

pp 3238–3241

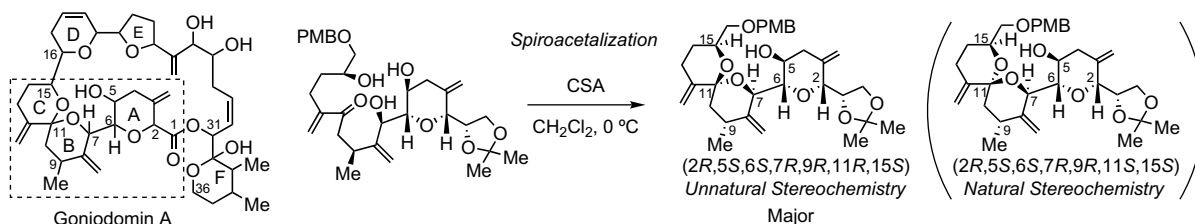
Ichiro Suzuki *, Yukari Iwata, Kei Takeda



Synthesis of the ABC-ring models of goniiodomin A: preference for the unnatural configuration at C11 of the BC-ring in a non-macrocyclic model system

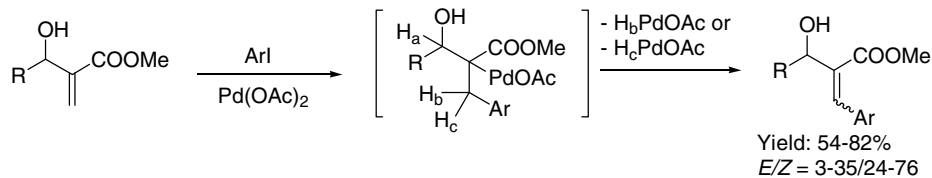
pp 3242–3247

Takahiro Katagiri, Kenshu Fujiwara *, Hidetoshi Kawai, Takanori Suzuki

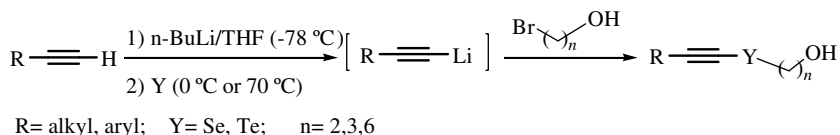


The first successful intermolecular Heck reaction of Baylis–Hillman adducts: synthesis of β -aryl substituted Baylis–Hillman adducts pp 3248–3251

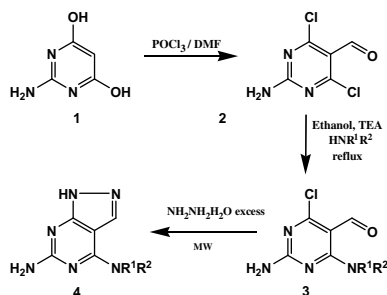
Jeong Mi Kim, Ko Hoon Kim, Taek Hyeon Kim, Jae Nyoung Kim *


Synthesis of ω -hydroxy- α -alkyl/aryl- γ -organo-selenium and γ -organo-tellurium: a new class of organochalcogen compounds with antinociceptive activity pp 3252–3256

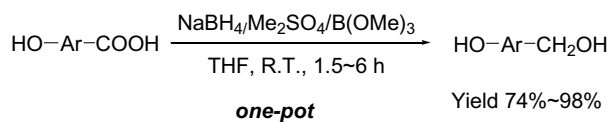
Afamefuna E. Okoronkwo, Alisson R. Rosário, Diego Alves, Lucielli Savegnago, Cristina W. Nogueira, Gilson Zeni *


Microwave-assisted synthesis of pyrazolo[3,4-*d*]pyrimidines from 2-amino-4,6-dichloropyrimidine-5-carbaldehyde under solvent-free conditions pp 3257–3259

Jairo Quiroga *, Jorge Trilleras, Braulio Insuasty, Rodrigo Abonía, Manuel Nogueras *, Antonio Marchal, Justo Cobo

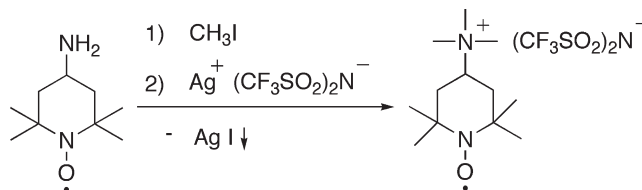

A convenient method to reduce hydroxyl-substituted aromatic carboxylic acid with NaBH4/Me2SO4/B(OMe)3 pp 3260–3263

Yuhan Zhou, Guchao Gao, Hui Li, Jingping Qu *



Synthesis of 4-trimethylammonio-2,2,6,6-tetramethylpiperidine-1-yloxy with various anions for investigation of ionic liquids pp 3264–3267

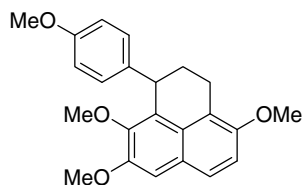
Veronika Strehmel *, Hans Rexhausen, Peter Strauch



Anion metathesis of 4-trimethylammonio-2,2,6,6-tetramethylpiperidine-1-yloxy iodide using silver salts gives the new 4-trimethylammonio-2,2,6,6-tetramethylpiperidine-1-yloxy bis(trifluoromethylsulfonylimide) and further spin probes with tetrafluoroborate or hexafluorophosphate as anions.

Revised structures of phenylphenalene derivatives from *Eichhornia crassipes* pp 3268–3272

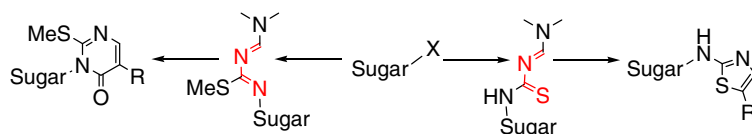
Marina DellaGreca *, Lucio Previtera, Armando Zarrelli



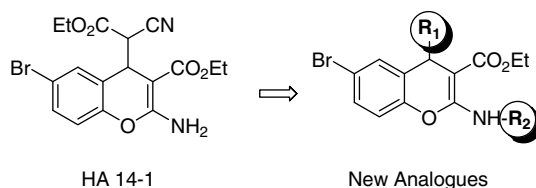
The structures of two phenylphenalenes and three dimeric phenylphenalenes have been revised by 2D-NMR spectroscopy.

Synthesis of nucleoside derivatives via heterocyclocondensation reactions pp 3273–3275

Vincent Kikelj, Paul Setzer, Karine Julienne, Jean-Claude Meslin, David Deniaud *

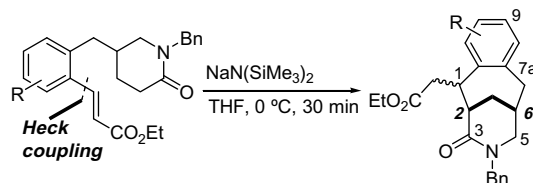

The synthesis of new, selected analogues of the pro-apoptotic and anticancer molecule HA 14-1 pp 3276–3278

Danielle Grée, Samuel Vorin, Vijay L. Manthathi, Frédéric Caijo, Guillaume Viault, Florence Manero, Philippe Juin, René Grée *



A new and versatile strategy has been developed towards HA 14-1 analogues selectively modified on position 4 and/or on the primary amine function.

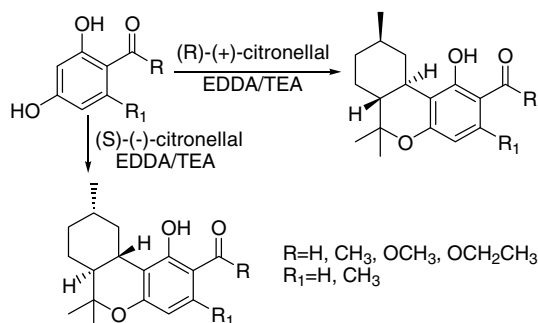
Benzoazabicyclo[4.3.1] derivatives by intramolecular Michael addition of piperidinone enolates to enoates pp 3279–3282
 Gedu Satyanarayana, Sven Müller, Martin E. Maier *



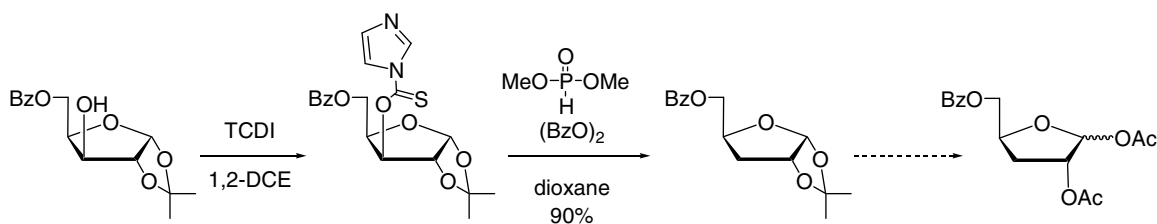
A novel synthesis of 2,6-methano-4H-4-benzazonines is described.



Efficient one-pot synthetic approaches for cannabinoid analogues and their application to biologically interesting (–)-hexahydrocannabinol and (+)-hexahydrocannabinol pp 3283–3287
 Yong Rok Lee *, Likai Xia

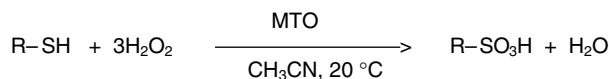


Deoxygenation of 5-O-benzoyl-1,2-isopropylidene-3-O-imidazolylthiocarbonyl-α-D-xylofuranose using dimethyl phosphite: an efficient alternate method towards a 3'-deoxynucleoside glycosyl donor pp 3288–3290
 Ivan Zlatev, Jean-Jacques Vasseur, François Morvan *



Selective and mild oxidation of thiols to sulfonic acids by hydrogen peroxide catalyzed by methyltrioxorhenium pp 3291–3293

Francesco P. Ballistreri *, Gaetano A. Tomaselli, Rosa M. Toscano

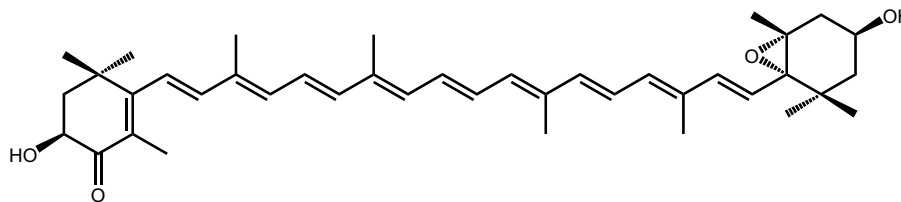


R = p-X-C₆H₄ (X = H, CH₃, OCH₃, Cl, NO₂); C₆H₅CH₂; 2-Naph; C₁₂H₂₅; C₁₈H₃₇.

Several types of thiols were selectively oxidized to the corresponding sulfonic acids using hydrogen peroxide in the presence of catalytic amount of MTO under mild reaction conditions.

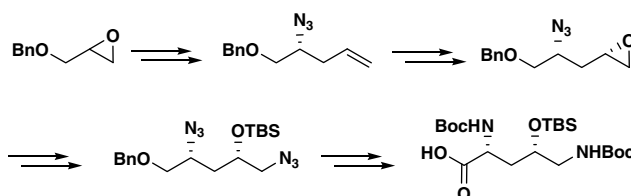
4-Ketoantheraxanthin, a novel carotenoid produced by the combination of the bacterial enzyme β -carotene ketolase CrtW and endogenous carotenoid biosynthetic enzymes in higher plants pp 3294–3296

Kazutoshi Shindo *, Tomohisa Hasunuma, Emiko Asagi, Aya Sano, Eri Hotta, Noriko Minemura, Chikahiro Miyake, Takashi Maoka, Norihiko Misawa



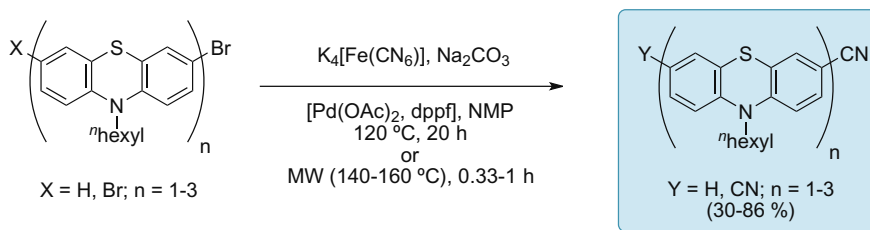
A concise synthesis of protected (2*S*,4*R*)-4-hydroxyornithine pp 3297–3299

Satyendra Kumar Pandey, Menaka Pandey, Pradeep Kumar *



First synthesis and electronic properties of cyano(oligo)phenothiazines pp 3300–3303

Adam W. Franz, Larisa N. Popa, Thomas J. J. Müller *

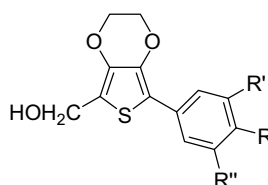


Blue to green daylight fluorescent and electroactive (oligo)phenothiazinyl nitriles can be obtained in good to very good yields via Beller cyanation either under conductive or dielectric heating.



Phenyl-EDOTn derivatives as super acid labile carboxylic acid protecting groups for peptide synthesis pp 3304–3307

Albert Isidro-Llobet, Mercedes Álvarez, Fernando Albericio *



A series of new 3,4-ethylenedioxy-2-thienyl (EDOTn) derived alcohols have been synthesized and evaluated as super acid labile carboxylic acid protecting groups. All the derivatives are labile to very low concentrations of trifluoroacetic acid (0.01–0.5%).

Regioselective [3+4] cycloaddition of an azomethine ylide to *meso-meso*, β - β , β' - β' triply linked diporphyrins pp 3308–3311
Takayuki Tanaka, Yasuyuki Nakamura, Naoki Aratani, Atsuhiko Osuka *

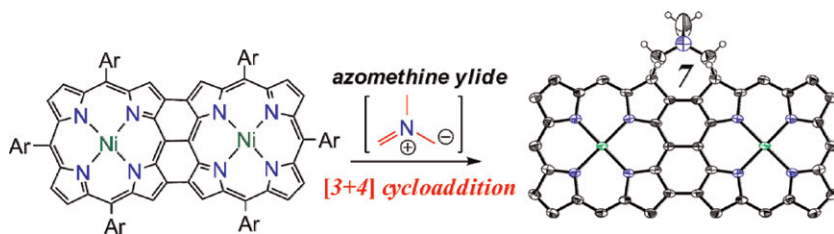
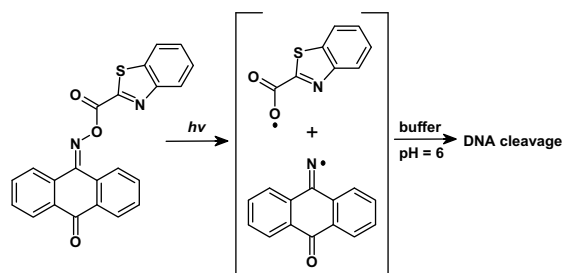


Photo-induced DNA cleavage by (heterocyclo)carbonyl oxime esters of anthraquinone pp 3312–3315
Jih Ru Hwu *, Jhih-Ren Yang, Shwu-Chen Tsay, Ming-Hua Hsu, Yi-Chieh Chen, Shang-Shing P. Chou *

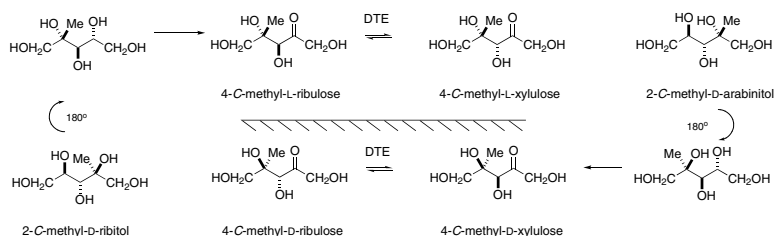


Various (heterocyclo)carbonyl mono-oxime esters of anthraquinone were synthesized, which produced radical species and exhibited ability for DNA cleavage upon UV irradiation.



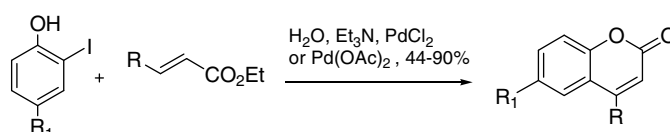
Towards the biotechnological isomerization of branched sugars: *D*-tagatose-3-epimerase equilibrates both enantiomers of 4-*C*-methyl-ribulose with both enantiomers of 4-*C*-methyl-xylulose pp 3316–3321

Devendar Rao, Akihide Yoshihara, Pushpakiran Gullapalli, Kenji Morimoto, Goro Takata, Filipa P. da Cruz, Sarah F. Jenkinson, Mark R. Wormald, Raymond A. Dwek, George W. J. Fleet *, Ken Izumori *



A tandem palladium-catalyzed Heck-lactonization through the reaction of *ortho*-iodophenols with β -substituted acrylates: synthesis of 4,6-substituted coumarins pp 3322–3325

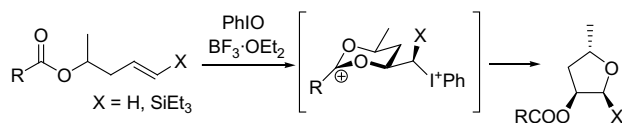
Talita de A. Fernandes, Rita de C. C. Carvalho, Tatiana M. D. Gonçalves, Alcides J. M. da Silva *, Paulo R. R. Costa *



Stereoselective cyclization of acyloxyalkenes using iodosylbenzene via a 1,3-dioxan-2-yl cation

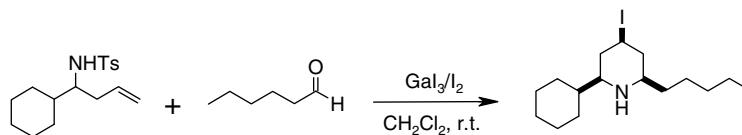
pp 3326–3329

Morifumi Fujita *, Hiroshi Suzawa, Takashi Sugimura, Tadashi Okuyama

**Gallium iodide/iodine as a versatile reagent for the aza-Prins cyclization: an expeditious synthesis of 4-iodopiperidines**

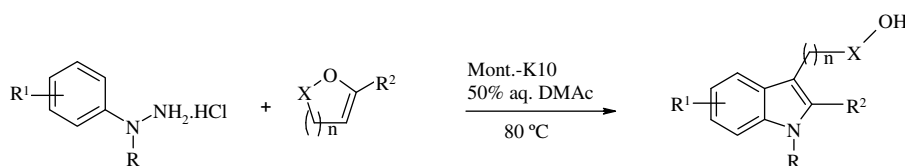
pp 3330–3334

J. S. Yadav *, B. V. Subba Reddy, D. N. Chaya, G. G. K. S. Narayana Kumar, S. Aravind, A. C. Kunwar, C. Madavi

**An expeditious and environmentally benign methodology for the synthesis of substituted indoles from cyclic enol ethers and enol lactones**

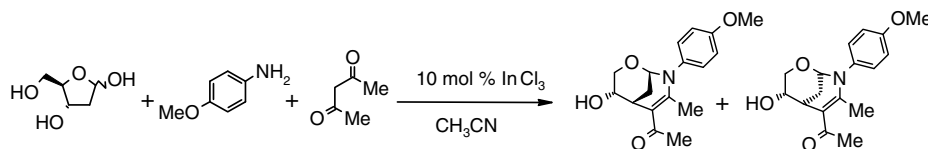
pp 3335–3340

Pankajkumar R. Singh *, Mandar P. Surpur, Sachin B. Patil


R¹ = H, CH₃, F, Cl, n = 1, 2; X = CH₂, C=OBr, COOH, OCH₃ R² = H, CH₃(R = PhCH₂ when R² = CH₃ and X = CO, otherwise R = H)**A novel biomimetic condensation of 2-deoxyribose, aryl amine and acetyl acetone to bicyclic aminols catalyzed by InCl₃**

pp 3341–3345

J. S. Yadav *, B. V. Subba Reddy, G. Satheesh, G. Narasimhulu, Y. Portier, C. Madhavi, A. C. Kunwar



*Corresponding author

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