

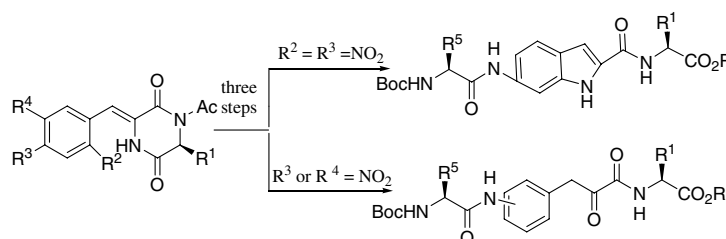
Contents

COMMUNICATIONS

From cyclic dehydrodipeptides to uncommon acyclic peptide mimetics

pp 6711–6714

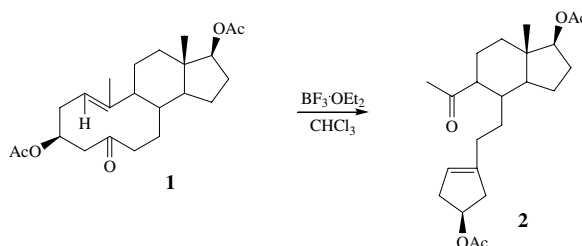
Juan Francisco González, Elena de la Cuesta and Carmen Avendaño*



Intramolecular cycloaddition/cycloreversion of (*E*)-3 β ,17 β -diacetoxy-5,10-secoandrost-1(10)-en-5-one

pp 6715–6718

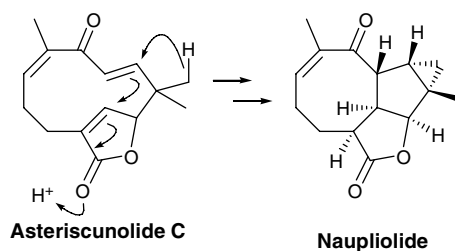
Vladimir A. Khripach,* Vladimir N. Zhabinskii, Anna I. Kuchto, Yuliya Y. Zhiburtovich, Vladimir V. Gromak, Marinus B. Groen, Jaap van der Louw and Aede de Groot



Naupliolide, a sesquiterpene lactone with a novel tetracyclic skeleton from *Nauplius graveolens* subsp. *odorus*

pp 6719–6721

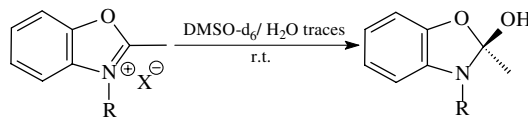
Mohamed Akssira,* Fouad Mellouki, Ali Salhi, Hakim Alilou, Abderrahmane Saouf, Fadwa El Hanbali, Jesús F. Arteaga and Alejandro F. Barrero*



NMR spectroscopy study of 2-methylbenzoxazolium salts hydroxylation in DMSO-*d*₆ solution

pp 6723–6725

Ricardo Santos, Luís M. Fernandes, Renato F. Boto, Rogério Simões and Paulo Almeida*

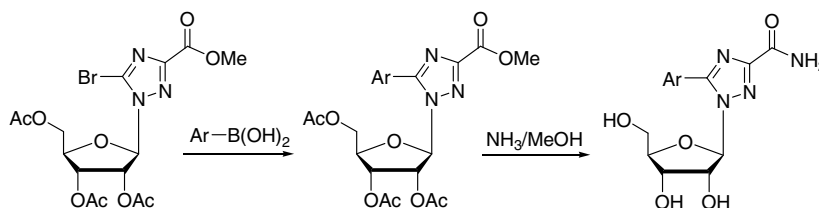


2-Methylbenzoxazolium salts showed an unexpected transformation at room temperature, promoted by residual water present in dimethyl sulfoxide. The resulting benzoxazolols have been characterized by HRMS, ¹H and ¹³C NMR.

Synthesis of 5-aryltriazole ribonucleosides via Suzuki coupling and promoted by microwave irradiation

pp 6727–6731

Jinqiao Wan, Ruizhi Zhu, Yi Xia, Fanqi Qu, Qiongyou Wu, Guangfu Yang, Johan Neyts and Ling Peng*

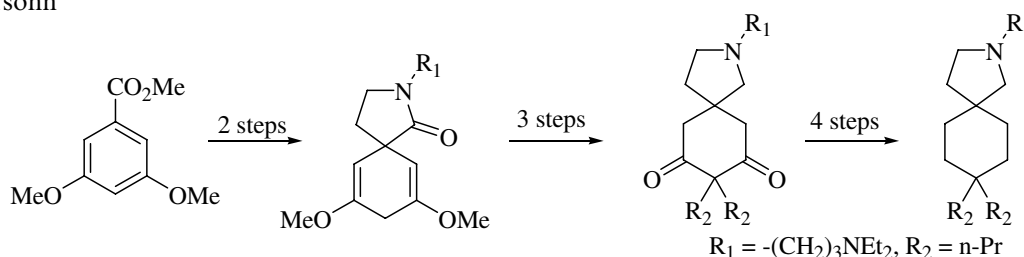


Aryltriazole nucleosides with various aromatic groups in the 5-position on the triazole ring were synthesized and characterized with the aim to develop novel triazole nucleosides. The aromatic groups were introduced into the triazole ring via a Suzuki reaction starting with bromotriazole nucleoside. Microwave irradiation significantly promoted the Suzuki coupling, quickly giving clean products with good to excellent yields.

**Synthesis of an azaspirane via Birch reduction alkylation prompted by suggestions from a computer program**

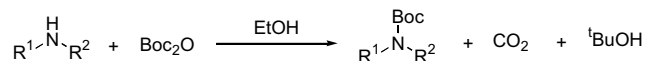
pp 6733–6737

Akio Tanaka,* Takashi Kawai, Tetsuhiko Takabatake, Noriko Oka, Hideho Okamoto and Malcolm Bersohn

**A rate enhancement of *tert*-butoxycarbonylation of aromatic amines with Boc₂O in alcoholic solvents**

pp 6739–6742

Tirayut Vilaivan



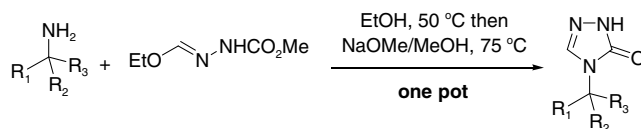
A rate enhancement of *tert*-butoxycarbonylation of aromatic amines by Boc₂O in alcohols compared to aprotic solvents was demonstrated. Reactions between Boc₂O and various aliphatic and aromatic amines in ethanol provided the *N*-Boc derivatives in good to excellent yields in short reaction times.



Efficient one-pot formation of 4-N-substituted 2,4-dihydro-3H-1,2,4-triazolin-3-ones from primary amines using *N*-(ethoxymethylene)hydrazinecarboxylic acid methyl ester

pp 6743–6746

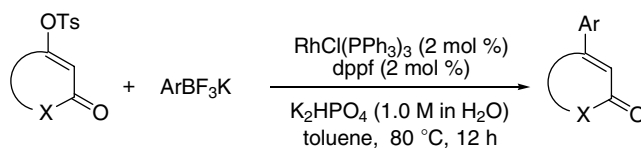
Ning Shao, Cheng Wang, Xianhai Huang,* Dong Xiao,* Anandan Palani, Robert Aslanian and Neng-Yang Shih



Rh(I)-catalyzed cross-coupling reactions of alkenyl tosylates with potassium aryltrifluoroborates

pp 6747–6750

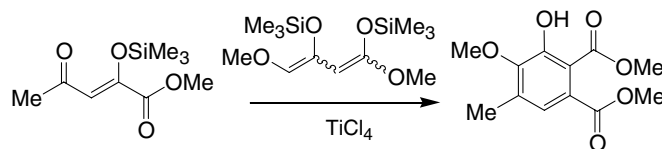
Jie Wu,* Liang Zhang and Yong Luo



Synthesis of phthalates and isophthalates by [3+3] cyclizations of 1,3-bis(silyl enol ethers) with 3-(silyloxy)alk-2-en-1-ones

pp 6751–6752

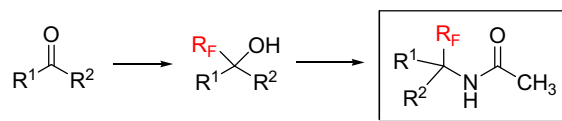
Stefanie Reim, Mathias Lubbe and Peter Langer*



Facile preparation of difluoromethyl- and monofluoromethyl-containing amides via Ritter reaction

pp 6753–6756

Jun Liu, Chuanfa Ni, Ya Li, Laijun Zhang, Guanyu Wang and Jinbo Hu*



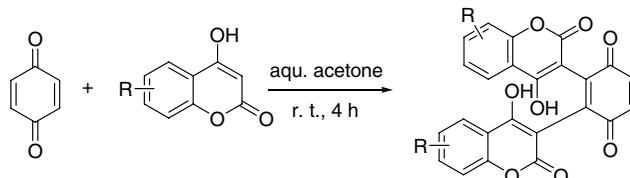
(R^1, R^2 = aryl, alkyl, H, etc.; R_F = CF_2H, CFH_2, CF_2SO_2Ph)



The unique regioselectivity in the formation of disubstituted-1,4-benzoquinones generated from the reaction of 4-hydroxycoumarins with 1,4-benzoquinone

pp 6757–6760

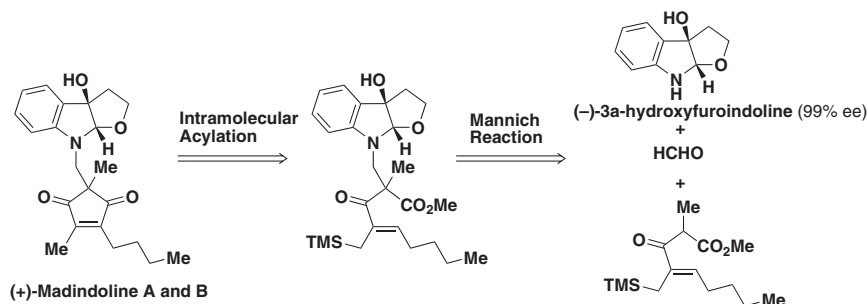
Sheng-Ling Zhang, Zhi-Shu Huang,* Yu-Dong Shen, Yue-Ming Li, Jun-Hua Yao, Min Huang, Albert S. C. Chan and Lian-Quan Gu*



Synthetic applications of a three-component Mannich reaction. Total synthesis of IL-6 inhibitor (+)-madindoline A and B

pp 6761–6764

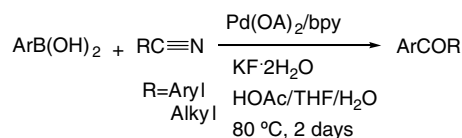
Tomoyasu Hirose, Toshiaki Sunazuka, Daisuke Yamamoto, Eisuke Kaji and Satoshi Ōmura*



Palladium(II)-catalyzed addition of arylboronic acid to nitriles

pp 6765–6768

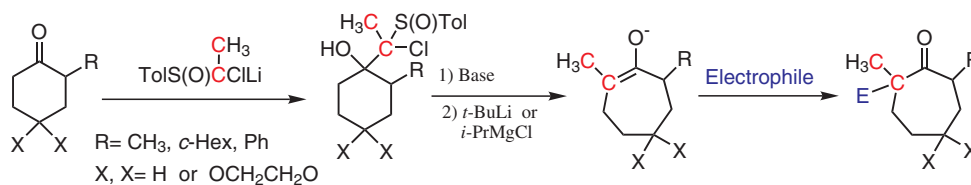
Baowei Zhao and Xiyun Lu*



One-carbon ring-expansion of 2-substituted cyclohexanones via lithium- and magnesium β-oxido carbenoid rearrangement: a new synthesis of 2,7-disubstituted and 2,2,7-trisubstituted cycloheptanones

pp 6769–6773

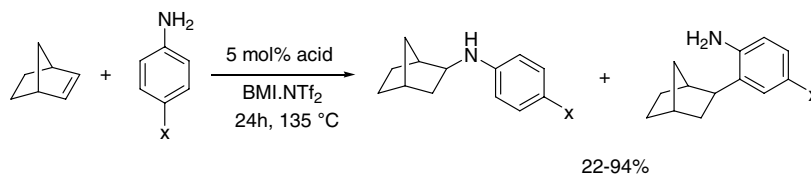
Tsuyoshi Satoh,* Shu Tanaka and Naoyuki Asakawa



Intermolecular hydroamination and hydroarylation reactions of alkenes in ionic liquids

pp 6775–6779

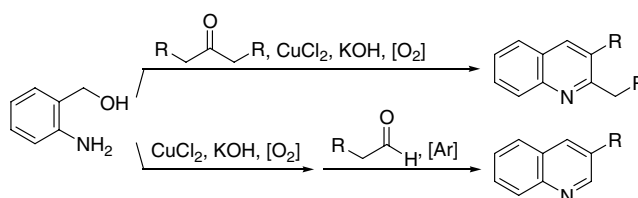
Alexandre A. M. Lapis, Brenno A. DaSilveira Neto, Jackson D. Scholten, Fabiane M. Nachtigall, Marcos N. Eberlin and Jairton Dupont*



A copper(II)-catalyzed protocol for modified Friedländer quinoline synthesis

pp 6781–6785

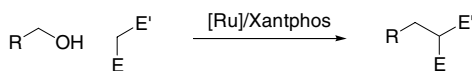
Chan Sik Cho,* Wen Xiu Ren and Sang Chul Shim*



C–C Bond formation from alcohols using a Xantphos ruthenium complex

pp 6787–6789

Paul A. Slatford, Michael K. Whittlesey and Jonathan M. J. Williams*

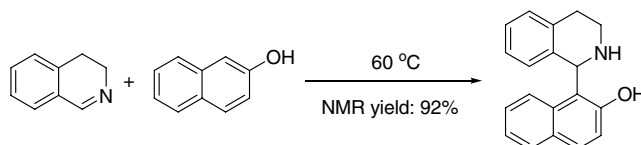


A ruthenium complex of Xantphos has been shown to be a good catalyst for the alkylation of active methylene compounds with a range of alcohols.

Solvent-free direct aza-Friedel–Crafts reactions between 3,4-dihydroisoquinoline and 1- or 2-naphthols

pp 6791–6794

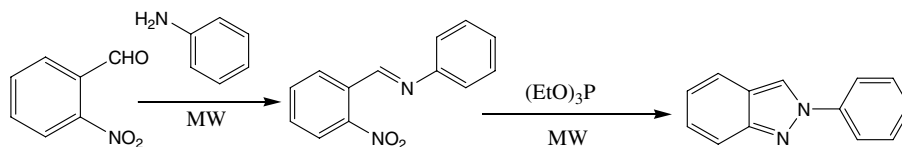
Patricia D. MacLeod, Zhiping Li, Jianqing Feng and Chao-Jun Li*



Microwave enhanced greener synthesis of indazoles via nitrenes

pp 6795–6797

Deepu John Varughese, Maghar S. Manhas and Ajay K. Bose*

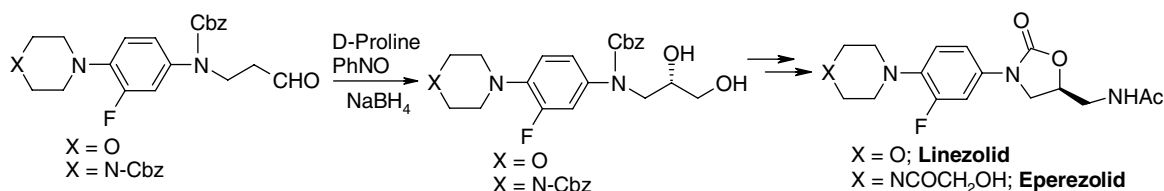


This procedure is an energy-efficient version of the Cadogan reaction for nitrene-based synthesis of nitrogen heterocycles.

Short and practical enantioselective synthesis of linezolid and eperezolid via proline-catalyzed asymmetric α -aminooxylation

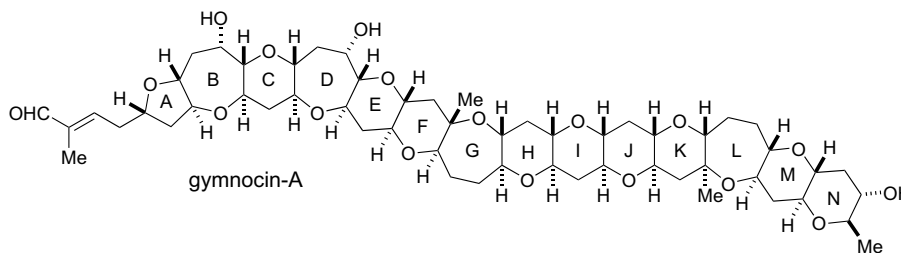
pp 6799–6802

Srinivasarao V. Narina and Arumugam Sudalai*

**Structure–activity relationship studies of gymnocin-A**

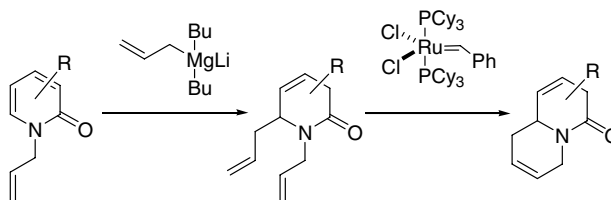
pp 6803–6807

Chihiro Tsukano and Makoto Sasaki*

**Convenient approach to tetrahydro-quinolizin-4-ones by sequential addition of lithium allyldibutylmagnesate to *N*-allylpyridin-2-ones and ring-closing metathesis reactions**

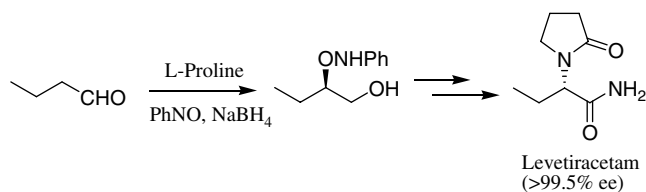
pp 6809–6812

Jacek G. Sośnicki



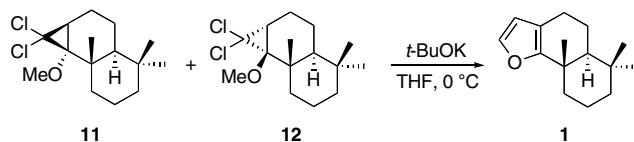
A short enantioselective synthesis of the antiepileptic agent, levetiracetam based on proline-catalyzed asymmetric α -aminooxylation pp 6813–6815

Shriram P. Kotkar and Arumugam Sudalai*



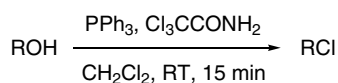
Dichlorocarbene adducts of alkyl enol ethers as precursors to furans: application to a total synthesis of the furanosesquiterpene (\pm)-pallescensin A pp 6817–6820

Jonathan S. Foot, Andrew T. Phillis, Phillip P. Sharp, Anthony C. Willis and Martin G. Banwell*



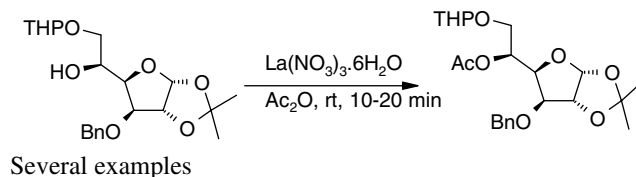
An efficient method for chlorination of alcohols using PPh_3/Cl_3CCONH_2 pp 6821–6823

Wanchai Pluempanupat and Warinthorn Chavasiri*



A mild and efficient acetylation of alcohols, phenols and amines with acetic anhydride using $La(NO_3)_3 \cdot 6H_2O$ as a catalyst under solvent-free conditions pp 6825–6829

T. Srikanth Reddy, M. Narasimhulu, N. Suryakiran, K. Chinni Mahesh, K. Ashalatha and Y. Venkateswarlu*

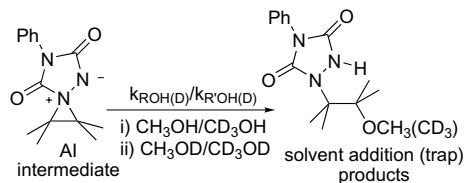


Nucleophile-solvent isotope effects between methanol isotopomers during the interception of aziridinium imide-‘like’ closed intermediates

pp 6831–6834

Zois Syrgiannis and Yiannis Elemes*

(Trideuterio)methanol intercepts more efficiently, than methanol, the aziridinium imide-‘like’ closed intermediates formed in the reaction of phenyltriazaolinedione with simple alkenes.

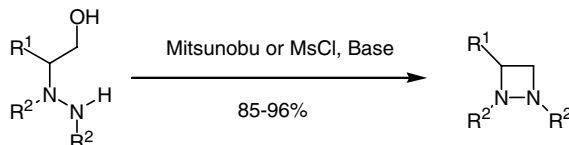


$$\text{For TetraME: } \begin{aligned} k_{\text{CH}_3\text{OH}}/k_{\text{CD}_3\text{OH}} &= 0.74 \pm 0.03 \\ k_{\text{CH}_3\text{OD}}/k_{\text{CD}_3\text{OD}} &= 0.84 \pm 0.02 \end{aligned}$$

A novel and efficient method for the synthesis of 1,2-diazetidines

pp 6835–6837

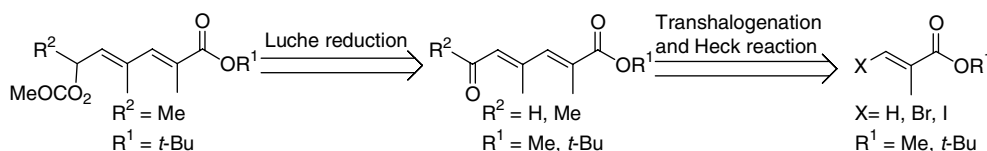
Wei Miao, Weiliang Xu, Zhiliu Zhang, Rujian Ma,* Shu-Hui Chen and Ge Li



Sequential transhalogenation and Heck reaction for efficient access to dioxo-tetrasubstituted 2,4 *E,E*-dienes: synthesis of segment C1–C6 of apoptolidin

pp 6839–6842

Xiaojin Li* and Xingzhong Zeng



Efficient access to dioxo-tetrasubstituted 2,4 *E,E*-dienes is developed in three steps from commercially available starting materials via sequential transhalogenation and Heck reaction, which provides potentially useful synthons for the synthesis of a tetrasubstituted conjugated diene structure in complex molecules. Thereby, segment C1–C6 of apoptolidin is synthesized.

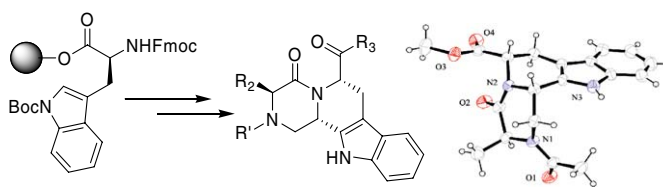


Preparation of pilot library with tetrahydro-β-carboline alkaloid core skeleton using tandem intramolecular Pictet–Spengler cyclization

pp 6843–6847

Sung-Chan Lee, Soo Young Choi, Young Keun Chung and Seung Bum Park*

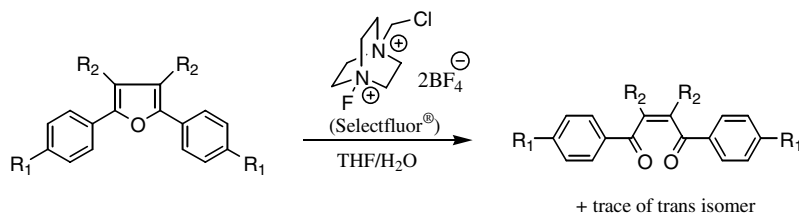
A solid phase strategy has been developed for the synthesis of tetrahydro-β-carboline alkaloid library. The key transformation is an acid-catalyzed tandem intramolecular Pictet–Spengler cyclization from *L*-tryptophan, which forms acyl iminiums with synchronous cleavage of products from the acid-labile SASRIN™ solid support. A pilot library with two diversity points has been successfully synthesized in high purity.



Oxidative ring opening of 2,5-diarylfurans by Selectfluor®

pp 6849–6850

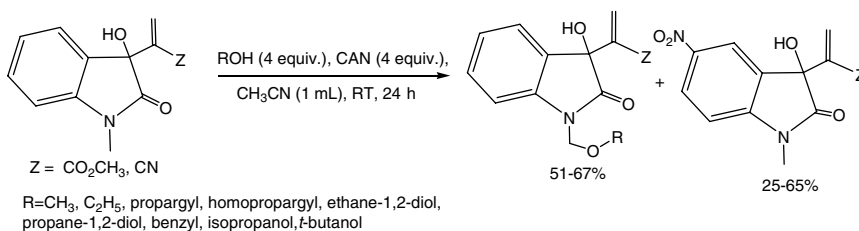
Stephen J. Blank and Chad E. Stephens*



Activation of the NC–H bond of Baylis–Hillman adducts of *N*-methylsatin with CAN/ROH

pp 6851–6855

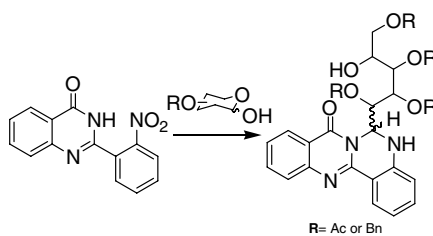
Ponnusamy Shanmugam,* Vadivel Vaithiyanathan and Baby Viswambharan



A one-pot synthesis of novel sugar derived 5,6-dihydro-quinazolino[4,3-*b*]quinazolin-8-ones: an entry towards highly functionalized sugar-heterocyclic hybrids

pp 6857–6860

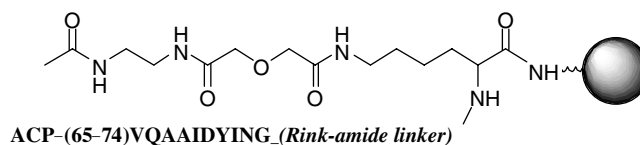
Abhijeet Deb Roy, Arunachalam Subramanian, Balaram Mukhopadhyay* and Raja Roy*



Improved solid-phase peptide synthesis of ‘difficult peptides’ by altering the microenvironment of the developing sequence

pp 6861–6864

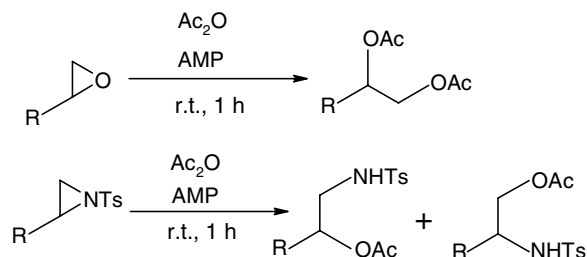
Nikos Zinieris, Christos Zikos and Nicolas Ferderigos*



The crude ACP (65–74) peptide was prepared on the ‘microenvironmental’ model resin in high purity (98%).

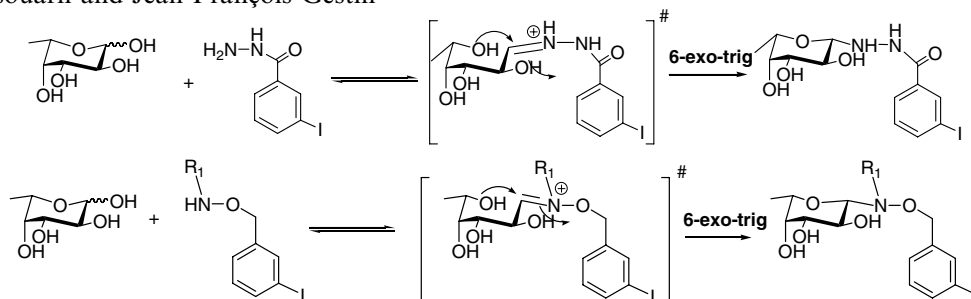
A mild, rapid and highly regioselective ring-opening of epoxides and aziridines with acetic anhydride under solvent-free conditions using ammonium-12-molybdophosphate pp 6865–6868

Biswanath Das,* V. Saidi Reddy and Fouzia Tehseen



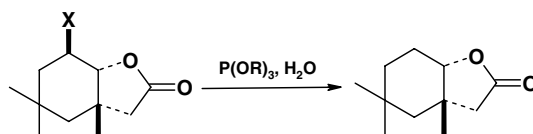
A simple and efficient method to label L-fucose pp 6869–6873

Emmanuelle Jestin, Karine Bultel-Rivière, Alain Faivre-Chauvet, Jacques Barbet, Anthony Loussouarn and Jean-François Gestin*



Lactones 30. Reaction of halolactones with trialkylphosphites pp 6875–6877

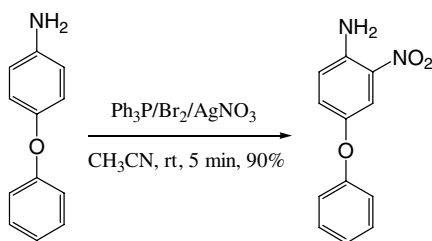
Bartłomiej Pisarski and Czesław Wawrzeńczyk*



The reaction of halolactones with trialkylphosphites in the presence of water afforded dehalogenated lactones.

Highly chemoselective nitration of aromatic amines using the Ph₃P/Br₂/AgNO₃ system pp 6879–6881

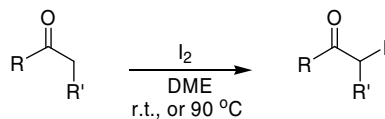
Nasser Iranpoor,* Habib Firouzabadi,* Najmeh Nowrouzi and Dena Firouzabadi



Metal catalyst-free direct α -iodination of ketones with molecular iodine

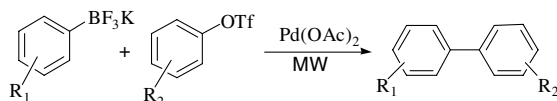
pp 6883–6886

Maddali L. N. Rao* and Deepak N. Jadhav

**Microwave enhanced ligand- and base-free cross-coupling of potassium aryltrifluoroborates salts with aryl triflates**

pp 6887–6889

George W. Kabalka,* Li-Li Zhou and Abhijit Naravane

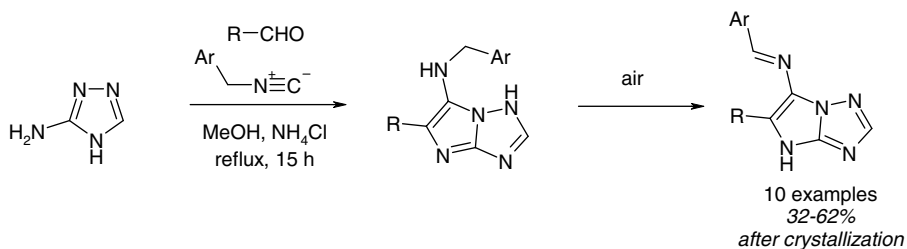


A microwave enhanced ligand- and base-free protocol for the cross-coupling of potassium aryltrifluoroborate salts with triflates is reported.

Air-oxidized products of multi-component reactions between 3-amino-1,2,4-triazole, aromatic aldehydes and isonitriles

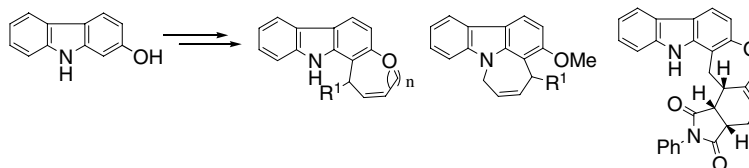
pp 6891–6894

Vladislav Z. Parchinsky, Vladimir V. Koleda, Olga Shuvalova, Dmitry V. Kravchenko and Mikhail Krasavin*

**Synthesis of oxepine-, oxocine- and azepine-annulated carbazole derivatives by combined Claisen rearrangement and diene/enyne metathesis**

pp 6895–6898

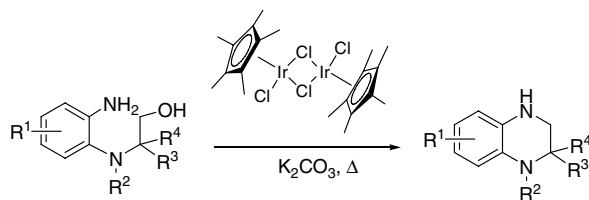
Shital K. Chattopadhyay,* Shankar P. Roy, Debalina Ghosh and Gautam Biswas



Preparation of substituted 1,2,3,4-tetrahydroquinoxalines and 2,3,4,5-tetrahydro-1*H*-benzo[*b*][1,4]-diazepines from catalytic Cp*Ir hydrogen transfer N-heterocyclization of anilino alcohols

pp 6899–6902

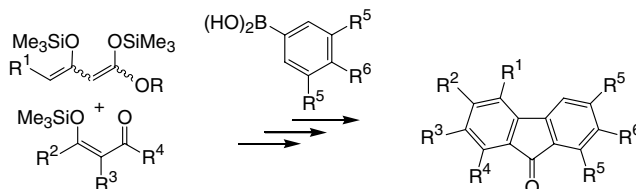
C. Todd Eary* and Dane Clausen



Synthesis of fluorenones based on a '[3+3] cyclization/Suzuki cross-coupling/Friedel–Crafts acylation' strategy

pp 6903–6905

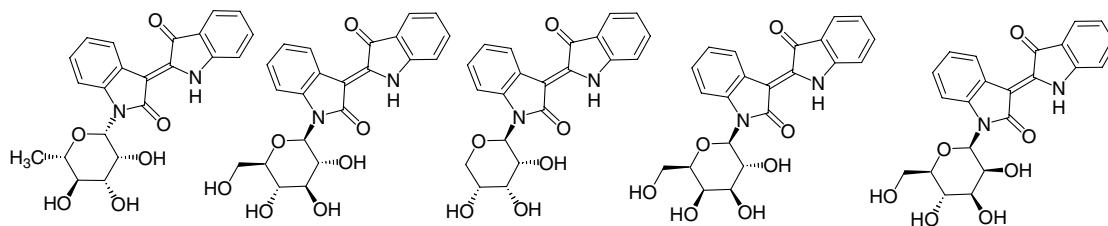
Stefanie Reim, Matthias Lau and Peter Langer*



First synthesis of indirubin N-glycosides (red sugars)

pp 6907–6909

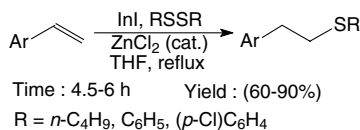
Stefanie Libnow, Martin Hein,* Dirk Michalik and Peter Langer*



Indium(I) iodide promoted cleavage of dialkyl/diaryl disulfides and subsequent anti-Markovnikov addition to styrenes: a new route to linear thioethers

pp 6911–6914

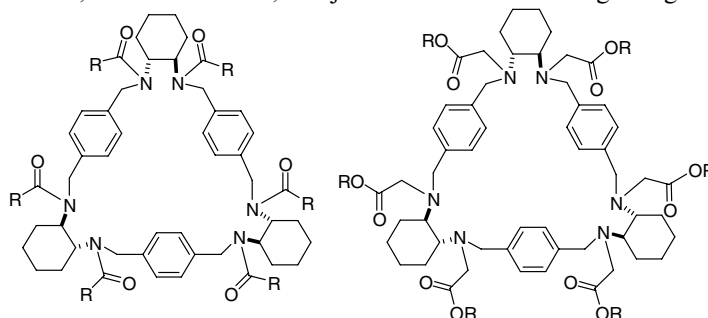
Brindaban C. Ranu* and Tanmay Mandal



Synthesis of enantiomerically pure functionalised trianglamine macrocycles by N-acylation and N-alkylation reactions

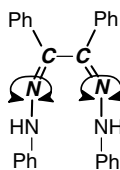
pp 6915–6918

Nikolai Kuhnert,* Daniela Göbel, Caroline Thiele, Benjamin Renault and Bing Tang

**The true configuration of the benzilosazone isomers**

pp 6919–6922

María V. Mirífico,* José A. Caram and Enrique J. Vasini



The stable benzilosazone isomer has a *Z,Z* configuration as shown by single crystal X-ray diffraction. Approximate calculations are used to analyze the NMR measurements used to assign an erroneous *E,E* configuration.

**OTHER CONTENTS****Corrigendum**

p 6923

*Corresponding author

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