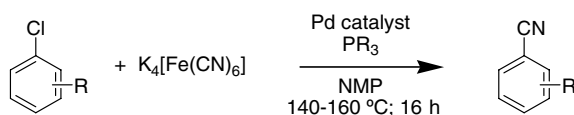


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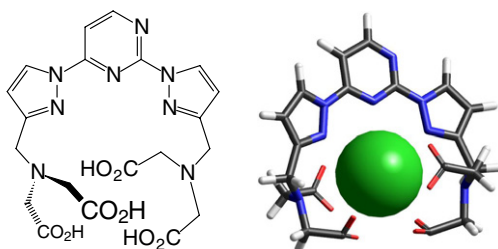
COMMUNICATIONS

- A new palladium catalyst system for the cyanation of aryl chlorides with  $K_4[Fe(CN)_6]$**  pp 1087–1090  
Thomas Schareina, Alexander Zapf, Wolfgang Mägerlein, Nikolaus Müller and Matthias Beller\*



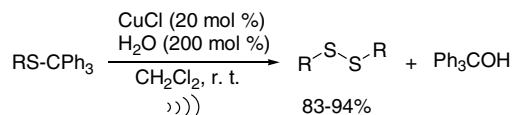
The development of a novel Pd-catalyzed synthesis of (hetero)aromatic nitriles from the corresponding aryl chlorides and potassium hexacyanoferrate(II) is described.

- Lanthanide complexes of new polyaminocarboxylates with the bis-pyrazolylpyrimidine chromophore** pp 1091–1094  
Ernesto Brunet,\* Olga Juanes, Rosa Sedano and Juan Carlos Rodríguez-Ubis\*



We describe the straightforward synthesis of a new polyacid ligand derived from the bis-pyrazolylpyrimidine motif that displayed excellent properties concerning its ability to sensitize the emission of lanthanides.

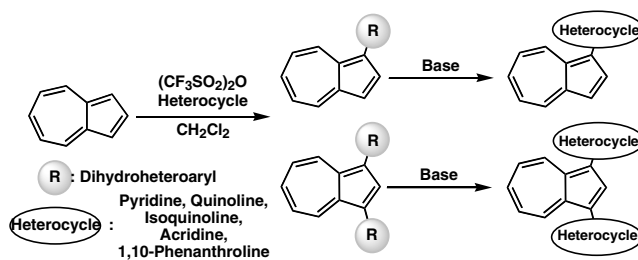
- CuCl-catalyzed cleavage of *S*-triphenylmethyl thioether: a new detritylation method for thio group** pp 1095–1097  
Ming Ma, Xiu Zhang, Lingling Peng and Jianbo Wang\*



**Synthesis of heteroarylazulenes: transition metal free coupling strategy of azulene with heterocycles**

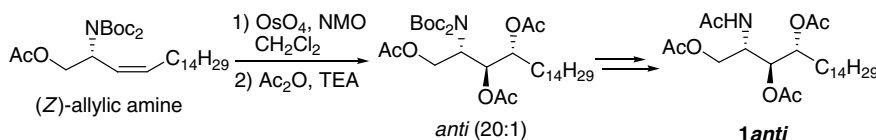
pp 1099–1103

Taku Shoji,\* Ryuji Yokoyama, Shunji Ito, Masataka Watanabe, Kozo Toyota, Masafumi Yasunami and Noboru Morita\*

**Highly anti-selective dihydroxylation of 1,2-dialkyl substituted (Z)-allylic amines: stereoselective synthesis of a D-ribo-phytosphingosine derivative**

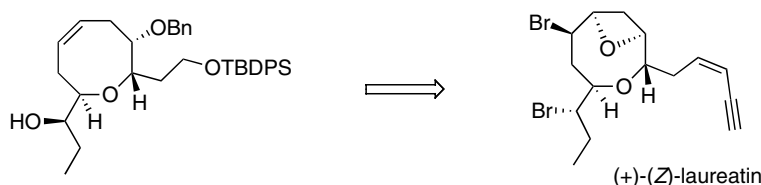
pp 1105–1108

Jongho Jeon, Moonyong Shin, Jae Won Yoo, Joon Seok Oh, Jae Gwang Bae, Seung Hwan Jung and Young Gyu Kim\*

**The first total synthesis of (+)-(Z)-laureatin**

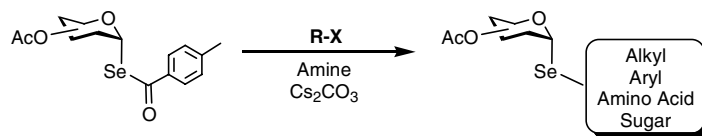
pp 1109–1112

Masashi Sugimoto, Toshio Suzuki,\* Hisahiro Hagiwara and Takashi Hoshi

**Stereoselective synthesis of various α-selenoglycosides using in situ production of α-selenolate anion**

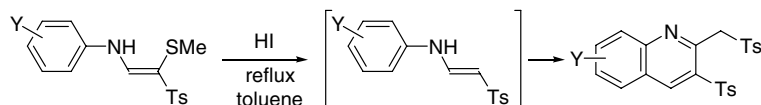
pp 1113–1116

Masahiro Nanami, Hiromune Ando,\* Yumiko Kawai, Mamoru Koketsu and Hideharu Ishihara\*



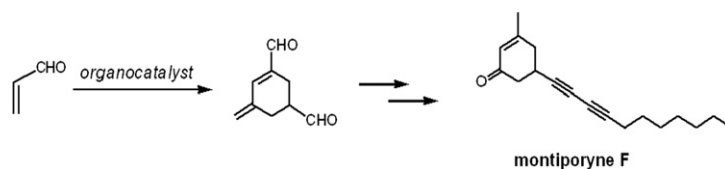
**A novel reaction of 2-(arylamino)-1-(methylthio)-1-tosylethenes with hydrogen iodide leading to quinoline derivatives** pp 1117–1120

Shoji Matsumoto and Katsuyuki Ogura\*



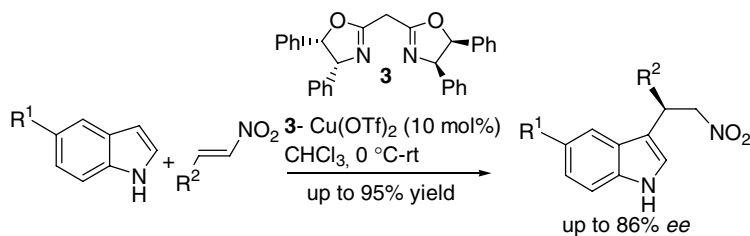
**The organocatalytic direct self-trimerization of acrolein: application to the total synthesis of montiporyne F** pp 1121–1125

Bor-Cherng Hong,\* Roshan Y. Nimje and Chun-Yao Yang



**Enantioselective Friedel–Crafts alkylation of indoles with nitroalkenes catalyzed by a bis(oxazoline)–Cu(II) complex** pp 1127–1129

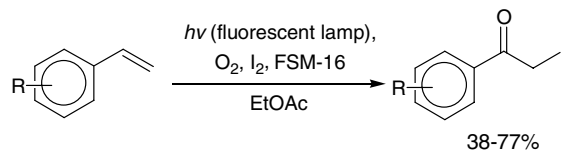
Pradeep K. Singh, Alakesh Bisai and Vinod K. Singh\*



The catalytic enantioselective Friedel–Crafts reaction of indole with *trans*- $\beta$ -nitrostyrene in the presence of copper triflate–bisoxazoline complexes furnished nitroalkylated indoles in excellent yields (up to 95%) and high enantioselectivities up to an 86% ee.

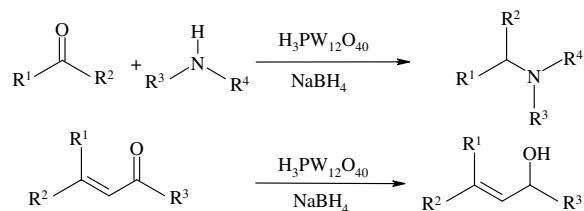
**Facile synthesis of phenacyl iodides from styrenes under visible light irradiation with fluorescent lamps** pp 1131–1133

Hiroki Nakayama and Akichika Itoh\*



**Direct reductive amination and selective 1,2-reduction of  $\alpha,\beta$ -unsaturated aldehydes and ketones by  $\text{NaBH}_4$  using  $\text{H}_3\text{PW}_{12}\text{O}_{40}$  as catalyst** pp 1135–1138

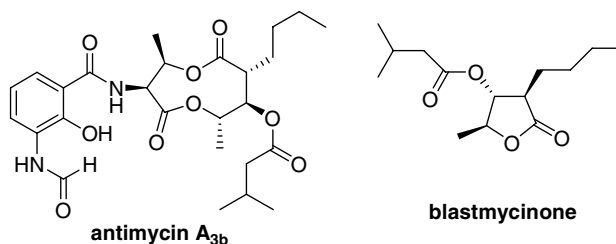
Akbar Heydari,\* Samad Khaksar, Jafar Akbari, Maryam Esfandyari, Mehrdad Pourayoubi and Mahmoud Tajbakhsh



A convenient procedure for direct reductive amination of aldehydes and ketones and selective 1,2-reduction of  $\alpha,\beta$ -unsaturated aldehydes and ketones with  $\text{H}_3\text{PW}_{12}\text{O}_{40}$  (0.5 mol %)/ $\text{NaBH}_4$  is described.

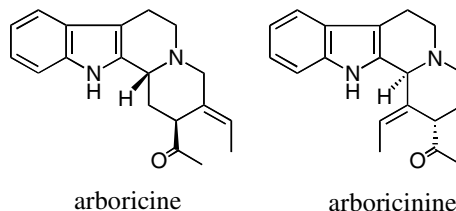
**Total synthesis of (+)-blastmycinone and formal synthesis of (+)-antimycin A<sub>3b</sub>** pp 1139–1142

Tushar Kanti Chakraborty,\* Amit Kumar Chattopadhyay and Subhash Ghosh



**Arboricine and arboricinine, unusual tetracyclic indole regioisomers from *Kopsia*** pp 1143–1145

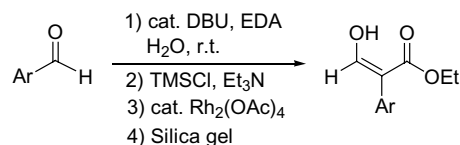
Kuan-Hon Lim, Kanki Komiyama and Toh-Seok Kam\*



A pair of unusual regioisomeric tetracyclic indoles of the corynantheine-type, arboricine and arboricinine were obtained from the Malayan *Kopsia arborea*. The structures were established by spectroscopic analysis and a possible biogenetic link between the alkaloids is presented.

**DBU-catalyzed condensation of acyldiazomethanes to aldehydes in water and a new approach to ethyl  $\beta$ -hydroxy  $\alpha$ -arylacrylates** pp 1147–1149

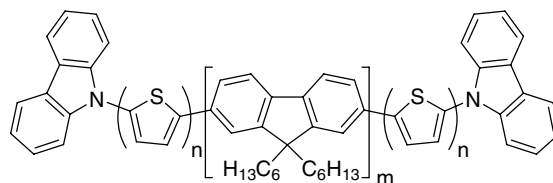
Fengping Xiao, Yu Liu and Jianbo Wang\*



**Synthesis and characterization of novel *N*-carbazole end-capped oligothiophene-fluorenes**

pp 1151–1154

Vinich Promarak,\* Auradee Pankvung and Somsak Ruchirawat



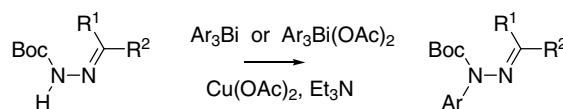
$$n = 1-3, m = 0-1$$

The synthesis and characterization of a series of novel *N*-carbazole end-capped oligothiophene-fluorenes is reported. The optical, thermal, and electrochemical properties of these materials can be tuned by varying the conjugation length of the oligothiophene segment and an introduction of the carbazole end-caps.

**Copper-catalyzed *N*-arylation of carbamate-protected hydrazones with organobismuthanes**

pp 1155–1157

Pavel Starkov, Ivan Zemskov, Rannar Sillard, Olga Tšubrik and Uno Mäeorg\*

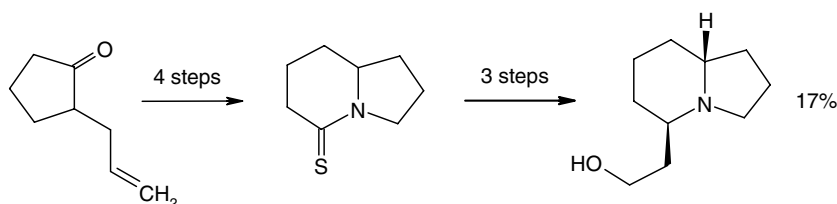


Efficient copper(II) acetate-catalyzed *N*-arylation of carbamate-protected hydrazones was achieved under mild reaction conditions with organobismuthanes.

**A concise synthetic pathway towards 5-substituted indolizidines**

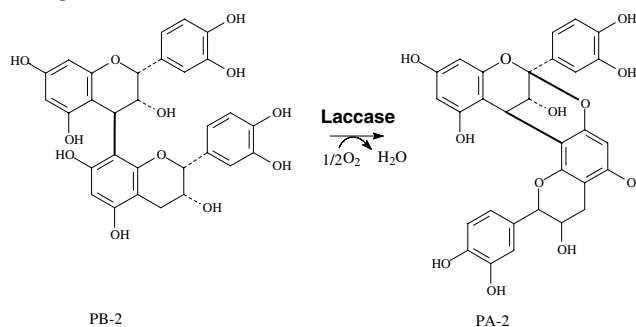
pp 1159–1161

Tamás R. Varga,\* Péter Nemes, Zoltán Mucsi and Pál Scheiber

**Laccase (EC 1.10.3.2) catalyses the conversion of procyanidin B-2 (epicatechin dimer) to type A-2**

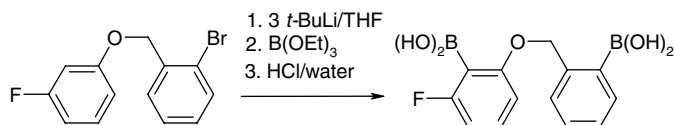
pp 1163–1167

A. M. Osman\* and K. K. Y. Wong



### Halogen–lithium exchange versus deprotonation: synthesis of diboronic acids derived from aryl–benzyl ethers pp 1169–1173

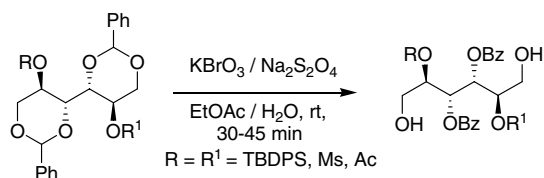
Tomasz Kliś\* and Janusz Serwatowski



Aryl benzyl ethers can be dilithiated using *n*-butyllithium or *t*-butyllithium. Quenching with B(OEt)<sub>3</sub> yields functionalized diboronic acids in excellent yield.

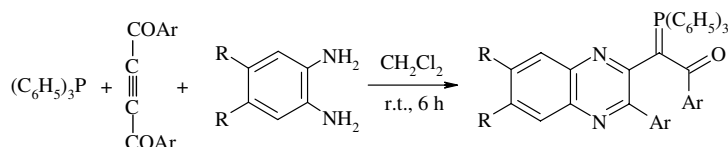
### Regioselective oxidative cleavage of benzylidene acetals: synthesis of highly functionalized chiral intermediates pp 1175–1178

Pon Minor Senthilkumar, Appu Aravind and Sundarababu Baskaran\*



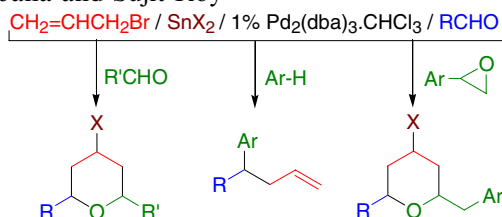
### A novel, one-pot and three-component synthesis of $\alpha$ -quinoxaliny triphenylphosphoranes pp 1179–1182

Mehdi Adib,\* Esmaeil Sheibani, Alireza Abbasi and Hamid Reza Bijanzadeh



### Pd<sup>0</sup>/Sn<sup>II</sup> mediated three-component cascade coupling (3-C<sup>3</sup>) approaches pp 1183–1186

Ujjal Kanti Roy, Prithwish Kumar Jana and Sujit Roy\*



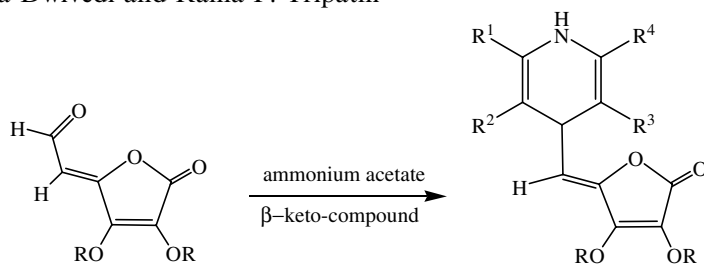
The 3-C<sup>3</sup> strategy involves (i) Pd(0)/SnX<sub>2</sub> (X = Cl, Br) mediated generation of allyltin(IV) from allyl bromide in anhydrous DCM, (ii) formation of a homoallyloxytin(IV) intermediate from allyltin(IV) and an aldehyde, and (iii) coupling with an aldehyde, an aryl epoxide or an arene to afford tetrahydropyrans, benzyl tetrahydropyrans or 4,4-dialkylbut-1-enes, respectively.



**L-Ascorbic acid in organic synthesis: a facile synthesis of 4-(butenolide-5-methylidene)-1,4-dihydropyridines**

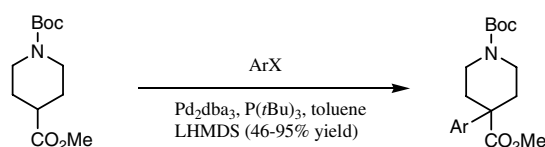
pp 1187–1189

Surendra S. Bisht, Namrata Dwivedi and Rama P. Tripathi\*

**Synthesis of 4-carboxy-4-pyridylpiperidines through palladium-catalyzed  $\alpha$ -arylation of esters**

pp 1191–1193

Yong Wang\* and Reji Nair



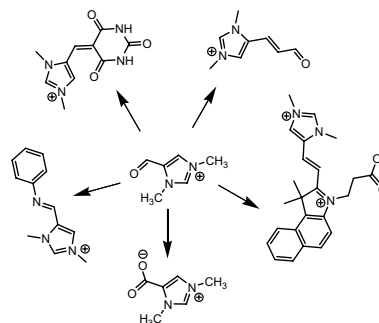
A concise synthesis of 4-carboxy-4-pyridylpiperidines has been achieved. Key step is the palladium-catalyzed  $\alpha$ -arylation of esters under basic conditions.

**Novel synthon for incorporating 1,3-dimethyl-imidazolium group into molecular architecture**

pp 1195–1199

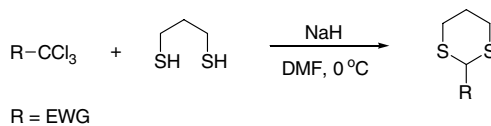
Mikhail Berezin and Samuel Achilefu\*

The synthesized 1,3-dimethylated imidazolium-carbaldehydes serves as synthons for incorporating a permanently cationic imidazolium group into molecular framework. The utility of new synthon was demonstrated in a variety of reactions: Knoevenagel, Wittig, Schiff base formation, based-mediated electrophilic substitution, and oxidation, including synthesis of the natural product norzooanemonin.

**A new synthesis of 2-substituted-1,3-dithianes from trichloromethyl compounds**

pp 1201–1204

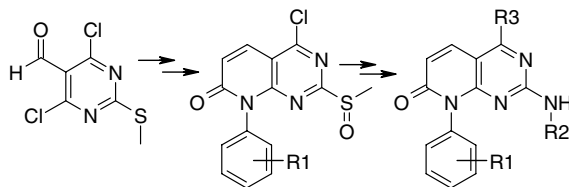
Nancy González Rivera, David Corona Becerril, Carlos Guadarrama-Pérez, Adrian Covarrubias-Zuñiga, José Gustavo Avila-Zárraga and Moisés Romero-Ortega\*



**An improved and highly convergent synthesis of 4-substituted-pyrido[2,3-*d*]pyrimidin-7-ones**

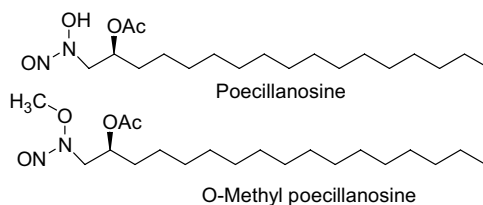
pp 1205–1207

Hongxing Yan, Jeffrey C. Boehm, Qi Jin, Jiri Kasparec, Huijie Li, Chongjie Zhu, Katherine L. Widdowson, James F. Callahan and Zehong Wan\*

**Study of the synthesis of poecillanosine**

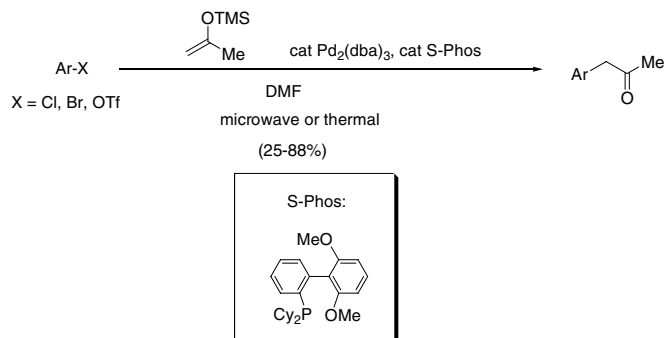
pp 1209–1212

Ming Xian\* and Brian J. Shuhler

**A facile, microwave-assisted, palladium-catalyzed arylation of acetone**

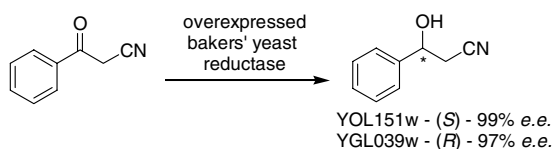
pp 1213–1216

Harry R. Chobanian,\* Ping Liu, Marc D. Chioda, Yan Guo and Linus S. Lin

**Biocatalytic synthesis towards both antipodes of 3-hydroxy-3-phenylpropanitrile a precursor to fluoxetine, atomoxetine and nisoxetine**

pp 1217–1219

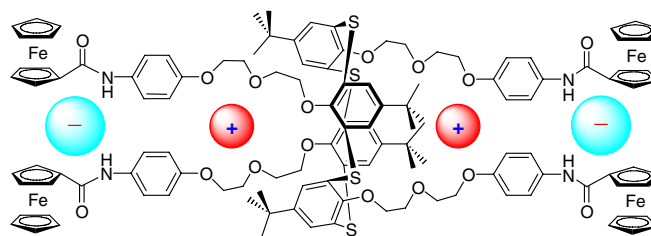
Richard J. Hammond, Benjamin W. Poston, Ion Ghiviriga and Brent D. Feske\*





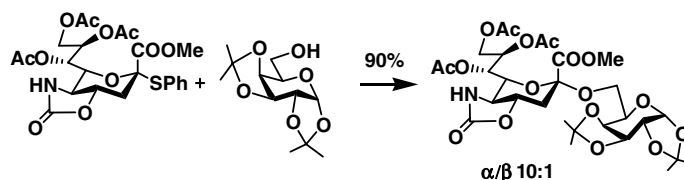
**A novel ferrocene-based thiacalix[4]arene ditopic receptor for electrochemical sensing of europium(III) and dihydrogen phosphate ions** pp 1221–1224

Dian-Shun Guo,\* Zhi-Peng Liu, Jian-Ping Ma and Ru-Qi Huang



**Application of 4,5-*O,N*-oxazolidinone protected thiophenyl sialosyl donor to the synthesis of  $\alpha$ -sialosides** pp 1225–1227

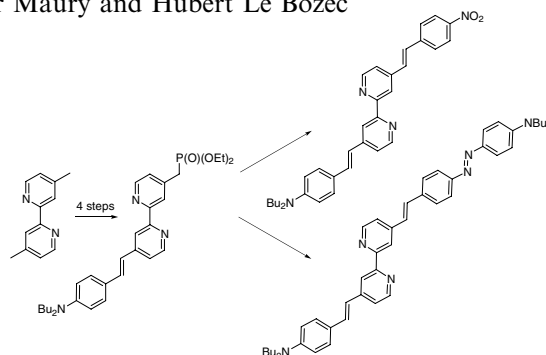
Michael D. Farris and Cristina De Meo\*



**New bichromophoric-2,2'-bipyridines: synthesis and optical properties**

pp 1229–1232

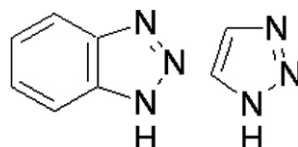
Olivier Lohio, Lydie Viau, Olivier Maury and Hubert Le Bozec\*



**On the explosive properties of 1*H*-benzotriazole and 1*H*-1,2,3-triazole**

pp 1233–1235

Marcus Malow, Klaus D. Wehrstedt\* and Steffen Neuenfeld

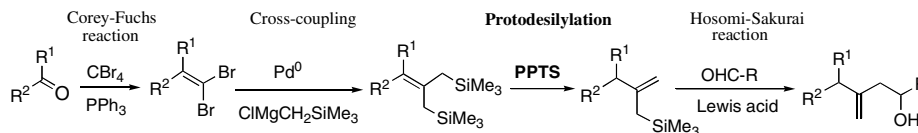


The decomposition energies of 1*H*-benzotriazole and 1*H*-1,2,3-triazole are higher than reported before but explosive properties are not detectable. Both reagents can be handled safely with precautions.

**Preparation of 2-trimethylsilylmethyl-1-alkene; cross-coupling and protodesilylation sequence from 1,1-dibromo-1-alkene**

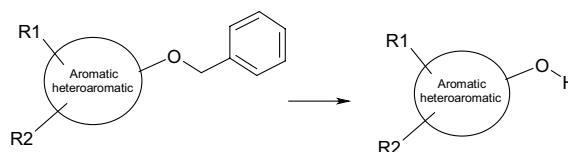
pp 1237–1240

Jun'ichi Uenishi,\* Takuya Iwamoto and Masashi Ohmi


**Fast deprotection of phenoxy benzyl ethers in transfer hydrogenation assisted by microwave**

pp 1241–1245

Monica Quai,\* Claudio Repetto, Walter Barbaglia and Enzo Cereda

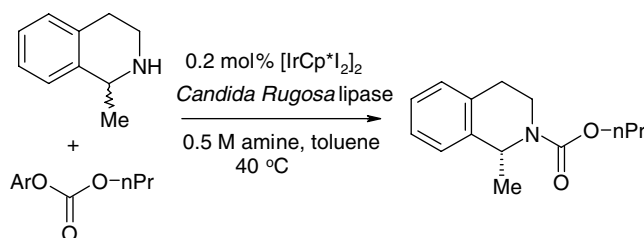


Phenoxy benzyl ethers are easily and quickly deprotected in the presence of ammonium formate and microencapsulated Pd(0)EnCat under microwave irradiation. The method can be applied in the presence of other functional groups as well.

**Chemoenzymatic dynamic kinetic resolution of secondary amines**

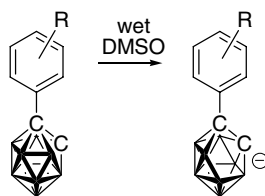
pp 1247–1250

Matthew Stirling, John Blacker and Michael I. Page\*

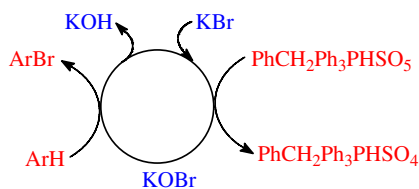

**Closo → nido cage degradation of 1-(substituted-phenyl)-1,2-dicarbadoecaborane(12)s in wet DMSO under neutral conditions**

pp 1251–1254

C. Linda Powell, Maria Schulze, Steven J. Black, Andrew S. Thompson and Michael D. Threadgill\*

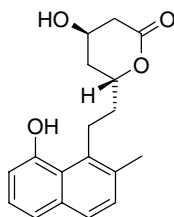


**A convenient and regioselective oxidative bromination of electron-rich aromatic rings using potassium bromide and benzyltriphenylphosphonium peroxydisulfate under nearly neutral reaction conditions** pp 1255–1259  
 Hadi Adibi,\* Abdol R. Hajipour and Majid Hashemi



ArH = anilines or phenols bearing electron releasing or withdrawing substituents

**Solistatinol, a novel phenolic compactin analogue from *Penicillium solitum*** pp 1261–1264  
 Thomas Ostefeld Larsen,\* Lene Lange, Kirk Schnorr, Steen Stender and Jens Christian Frisvad

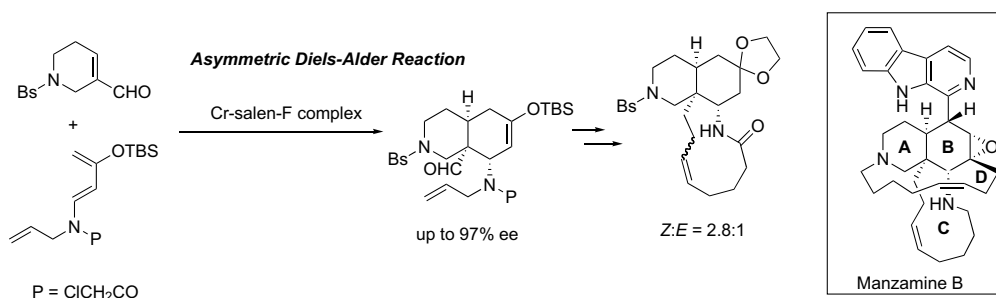


Solistatinol, a novel phenolic compactin analogue, has been isolated from *Penicillium solitum* using a UV-guided strategy. The structure and relative stereochemistry were determined by NMR spectroscopy and mass spectrometry. The absolute stereochemistry was determined by chemical degradation and comparison of CD data with literature data.

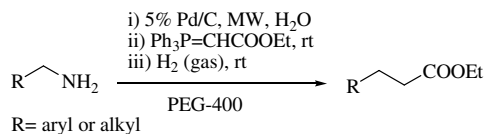


**Synthetic study of manzamine B: synthesis of the tricyclic central core by an asymmetric Diels–Alder and RCM strategy** pp 1265–1268

Tomoaki Matsumura, Masakatsu Akiba, Shigeru Arai, Masako Nakagawa and Atsushi Nishida\*



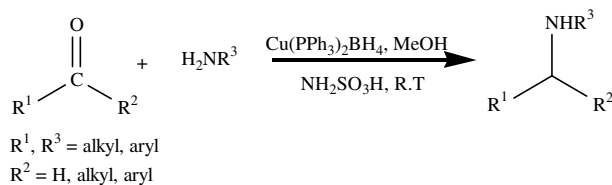
**A novel one-pot conversion of amines to homologated esters in poly(ethylene glycol)** pp 1269–1271  
 S. Chandrasekhar,\* G. Pavan Kumar Reddy, Ch. Nagesh and Ch. Raji Reddy



**Direct reductive amination of carbonyl compounds using bis(triphenylphosphine) copper(I) tetrahydroborate**

pp 1273–1276

Mayur J. Bhanushali, Nitin S. Nandurkar, Malhari D. Bhor and Bhalchandra M. Bhanage\*

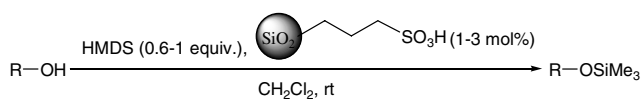


A direct reductive amination protocol for aldehydes/ketones using bis(triphenylphosphine) copper(I) tetrahydroborate as a novel reducing agent in the presence of sulfamic acid has been developed.

**A novel and highly efficient method for the silylation of alcohols with hexamethyldisilazane (HMDS) catalyzed by recyclable sulfonic acid-functionalized ordered nanoporous silica**

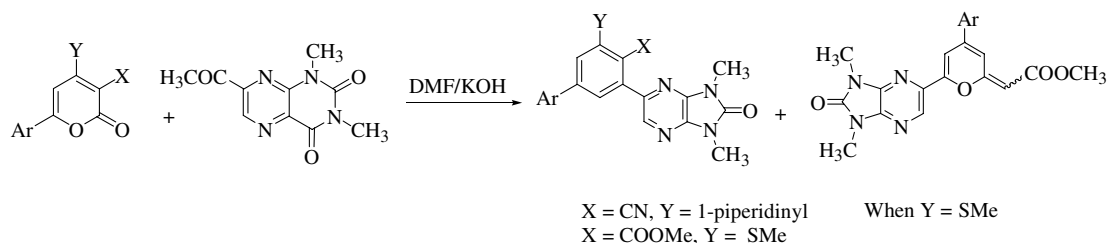
pp 1277–1280

Daryoush Zareyee and Babak Karimi\*


**A novel synthesis of aryl tethered imidazo[4,5-b]pyrazin-2-ones through in situ ring construction and contraction**

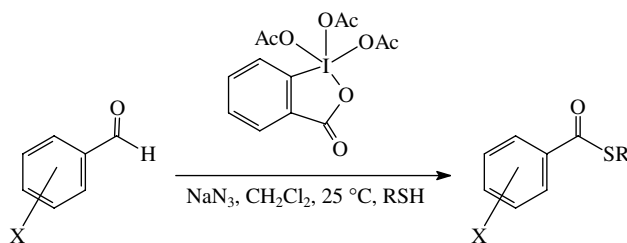
pp 1281–1285

Ramendra Pratap, Abhijeet Deb Roy, Raja Roy and Vishnu Ji Ram\*


**Dess–Martin periodinane mediated synthesis of thioesters from aldehydes**

pp 1287–1290

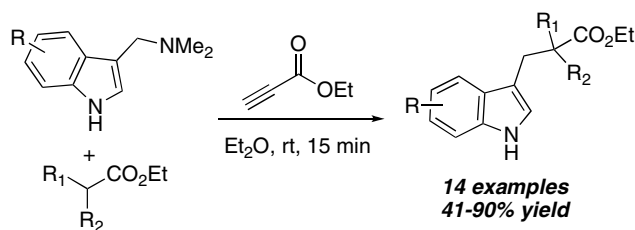
Sunita B. Bandgar, B. P. Bandgar,\* B. L. Korbadi and S. S. Sawant



**Coupling of activated esters to gramines in the presence of ethyl propiolate under mild conditions**

pp 1291–1294

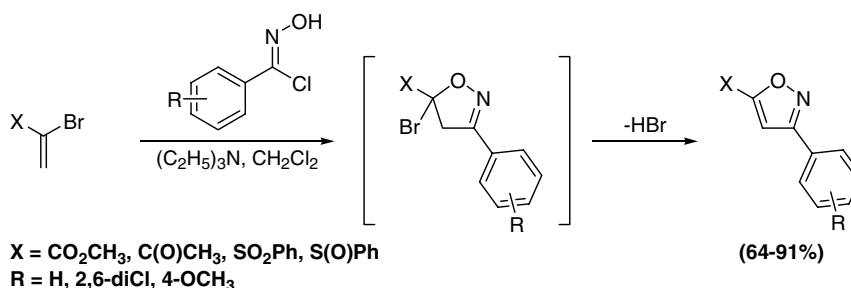
David T. Jones, Gerald D. Artman, III and Robert M. Williams\*



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