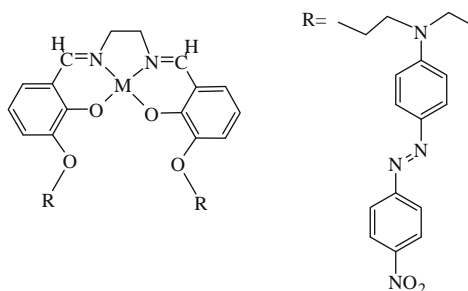


**Tetrahedron Letters Vol. 50, No. 13, 2009**

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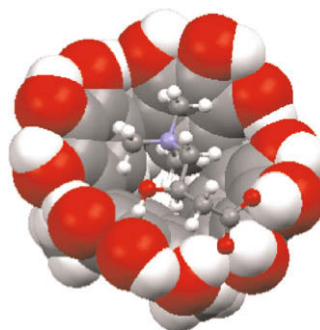
- Synthesis and two-photon absorption property of novel salen complexes incorporated with two pendant azo dyes** pp 1371–1373  
 Zihong Ye, Leonardo De Boni, Ubaldo Martins Neves, C. R. Mendonça, Xiu R. Bu \*



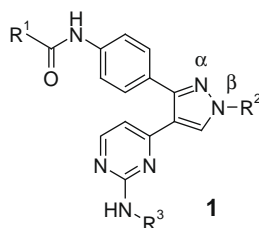
New salen compounds tethered with azo dyes have been developed and two-photon absorption properties are found to result from azo-dye components.



- Pyrogallol[4]arenes as artificial receptors for L-carnitine** pp 1374–1376  
 Bjoern Schnatwinkel, Mikhail V. Rekharsky, Victor V. Borovkov, Yoshihisa Inoue \*, Jochen Mattay \*



- Two convenient regioselective syntheses of 1-N-alkyl-3-aryl-4-[pyrimidin-4-yl]-pyrazoles** pp 1377–1380  
 Jeffrey M. Ralph \*, Thomas H. Faltg, Domingos J. Silva, Yanhong Feng, Charles W. Blackledge, Jerry L. Adams



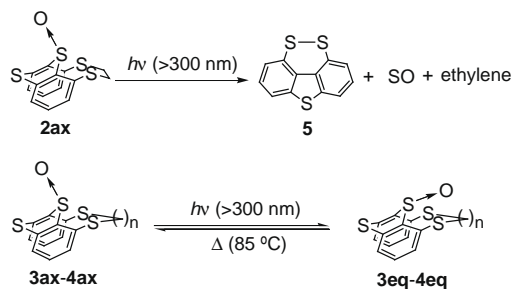
Two regioselective synthetic routes for 1-N-alkyl-3-aryl-4-[pyrimidin-4-yl]-pyrazoles of generic formula **1** were developed. These highly efficient and scalable routes circumvent the generally observed poor regioselectivity for the pyrazole alkylation.



**Synthesis and novel reactivities of several 1,9-dithiaalkane-bridged thianthrene 10-oxides**

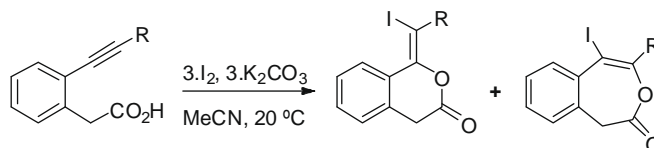
pp 1381–1384

Shin Suwabe, Akira Okuhara, Takashi Sugahara, Keita Suzuki, Katsuhiko Kunimasa, Toshifumi Nakajima, Yusuke Kumafuji, Yasushi Osawa, Toshiaki Yoshimura, Hiroyuki Morita \*

**6-*exo* versus 7-*endo* iodolactonizations of 2-(alkynyl)phenylacetic acids**

pp 1385–1388

Mohamed Goma Ali Badry, Benson Kariuki, David W. Knight \*, Mohammed F. K.

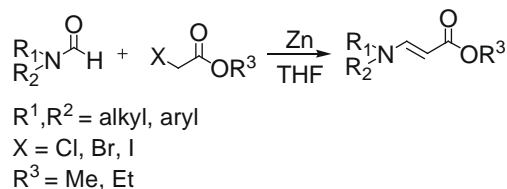


2-(Alkynyl)phenylacetic acids undergo highly regioselective iodolactonizations to give isochromanones when R = alkyl and benzo[d]oxepines when R = aryl.

**Efficient synthesis of  $\beta$ -enaminoesters via highly stereoselective Reformatsky reaction with disubstituted formamides as novel electrophiles**

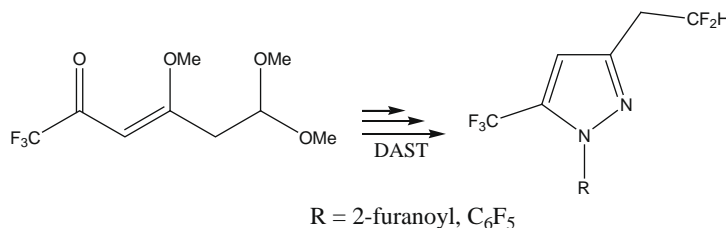
pp 1389–1391

Yi-Yin Ke, Yu-Jin Li, Jian-Hong Jia, Wei-Jian Sheng, Liang Han, Jian-Rong Gao \*

**DAST promotes the synthesis of new 5-(trifluoromethyl)-3-(1,1-difluoroethan-2-yl)-1H-pyrazoles**

pp 1392–1394

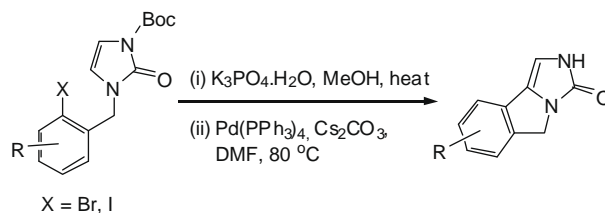
Helio G. Bonacorso \*, Liliane M. F. Porte, Cleber A. Cechinel, Gisele R. Paim, Everton D. Deon, Nilo Zanatta, Marcos A. P. Martins



**Synthesis of imidazoindol-3-ones by a palladium-catalyzed intramolecular C–H insertion reaction**

pp 1395–1398

Srinivasa Reddy Dandepally, Alfred L. Williams \*

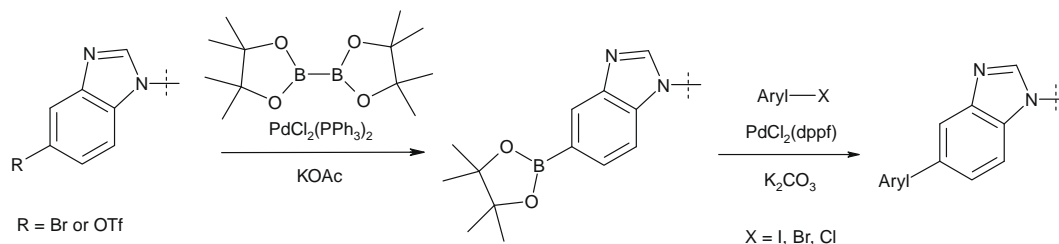


A simple protocol for the synthesis of various imidazoindol-3-ones is described by employing palladium-catalyzed intramolecular C–H insertion reaction of substituted 2-haloaryl imidazolin-2-ones.

**Convenient synthesis of heteroaryl-linked benzimidazoles via microwave-assisted boronate ester formation**

pp 1399–1402

Tara R. Rheault \*, Kelly H. Donaldson, Mui Cheung

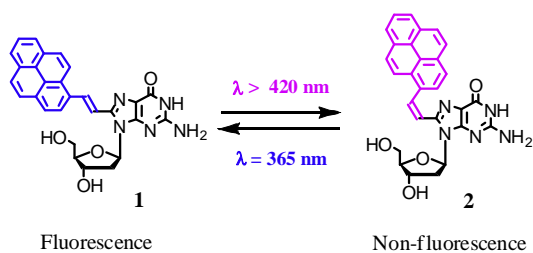


N-Substituted 5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-benzimidazoles were conveniently accessed via microwave-assisted synthesis. Subsequent Suzuki–Miyaura reaction with heteroaryl halides proceeded to give a wide variety of 5-heteroaryl-substituted benzimidazoles.

**Fluorescence switching of photochromic vinylpyrene-substituted 2'-deoxyguanosine**

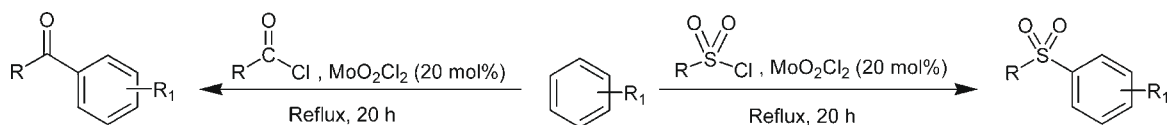
pp 1403–1406

Yoshio Saito \*, Katsuhiko Matsumoto, Yoshiki Takeuchi, Subhendu Sekhar Bag, Satoshi Kodate, Takashi Morii, Isao Saito \*

**MoO<sub>2</sub>Cl<sub>2</sub> as a novel catalyst for Friedel–Crafts acylation and sulfonylation**

pp 1407–1410

Rita G. de Noronha, Ana C. Fernandes \*, Carlos C. Romão

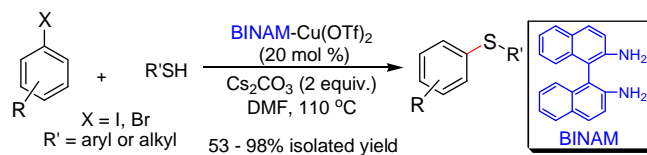


MoO<sub>2</sub>Cl<sub>2</sub> catalyzes the synthesis of aromatic ketones and sulfones in moderate to good yields.

**An efficient intermolecular C(aryl)–S bond forming reaction catalyzed by BINAM–copper(II) complex**

pp 1411–1415

D. J. C. Prasad, Ajay B. Naidu, G. Sekar \*

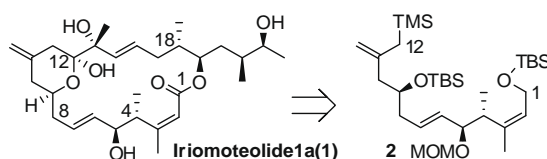


A wide range of diaryl thioethers and aryl alkyl thioethers are synthesized from the corresponding aryl iodides and aromatic/aliphatic thiols through Ullmann type intermolecular coupling reactions in the presence of a catalytic amount of easily available BINAM–Cu(OTf)<sub>2</sub> complex. Less reactive aryl bromides have also been shown to react with thiols under identical reaction conditions to give good yields of the thioethers without increasing the reaction temperature and time.

**Stereoselective synthesis of the C<sub>1</sub>–C<sub>12</sub> segment of iriomoteolide-1a: a very potent macrolide antitumor agent**

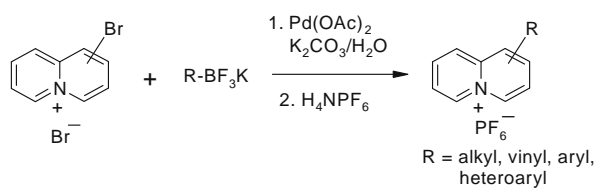
pp 1416–1418

Arun K. Ghosh \*, Hao Yuan

**Efficient functionalization of quinolininium cations with organotrifluoroborates in water**

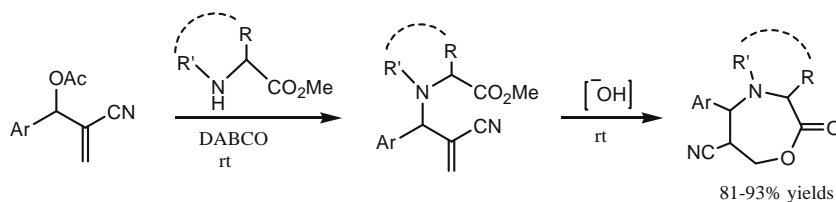
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Tatiana Cañeque, Ana M. Cuadro \*, Julio Alvarez-Builla, Juan J. Vaquero \*

**A concise  $\alpha$ -amino acid-based synthetic approach to [1,4]oxazepin-2-ones from Baylis–Hillman adducts**

pp 1423–1426

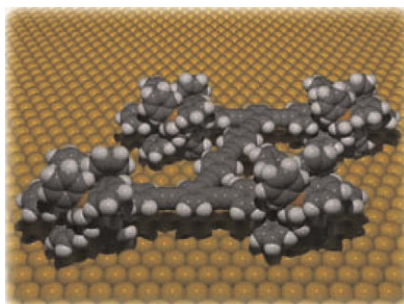
Lal Dhar S. Yadav \*, Vishnu P. Srivastava, Rajesh Patel



**Synthesis of a nanocar with organometallic wheels**

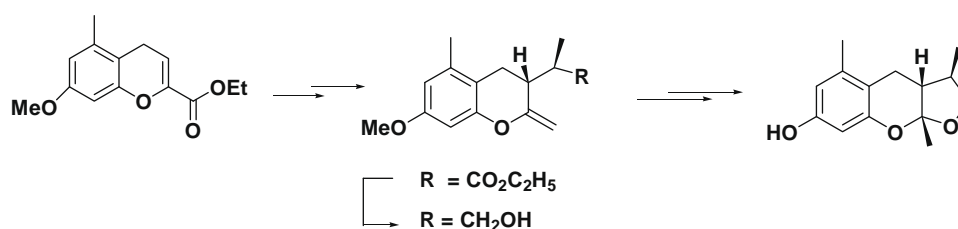
pp 1427–1430

Guillaume Vives, James M. Tour \*

**A biomimetic type expedient approach to the tricyclic core of xyloketal. Application to a short, stereocontrolled synthesis of alboatrin and a remarkable *epi* to natural isomerisation**

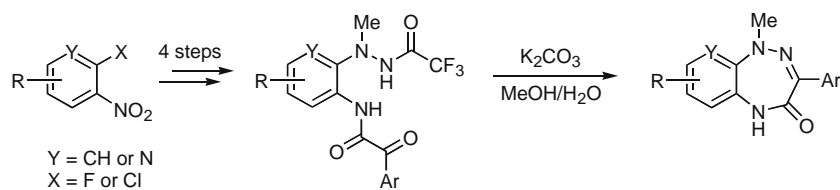
pp 1431–1434

Debayan Sarkar, Subrata Ghosh, Ramanathapuram V. Venkateswaran \*

**Synthesis of 3-aryl substituted benzo[1,2,5]triazepin-4-ones via intramolecular imine formation**

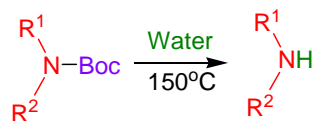
pp 1435–1437

Mirosław J. Tomaszewski, Luc Boisvert, Shujuan Jin \*

**Catalyst-free water-mediated *N*-Boc deprotection**

pp 1438–1440

Gan Wang, Chunju Li, Jian Li, Xueshun Jia \*

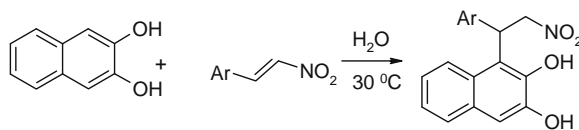


A catalyst-free water-mediated *N*-Boc deprotection of *N*-Boc-amines is reported. In the absence of any additional reagents, the free amines were formed from a variety of aromatic and aliphatic *N*-Boc-amines as well as from some *N*-Boc-amino acid derivatives.

**Catalyst-free Friedel–Crafts alkylation of naphthols with nitrostyrenes in the presence of water**

pp 1441–1443

Azim Ziyaei Halimehjani, Fezzeh Aryanasab, Mohammad R. Saidi \*

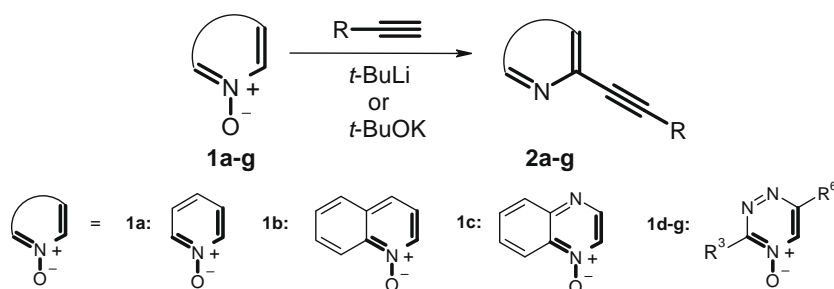


The accelerated Michael-type Friedel–Crafts alkylation of naphthols with nitrostyrenes in the presence of water is reported.

**Direct introduction of acetylene moieties into azines by S<sub>N</sub><sup>H</sup> methodology**

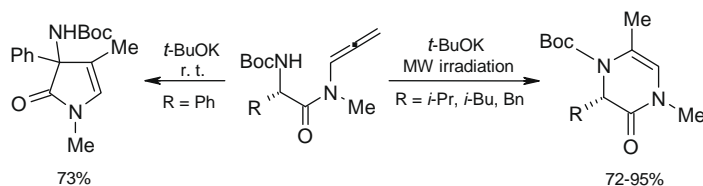
pp 1444–1446

Anton M. Prokhorov, Mieczysław Mąkosza, Oleg N. Chupakhin \*

**Entry to nitrogen-containing heterocycles by based-promoted heterocyclization on allenylamides of L-α-aminoacids**

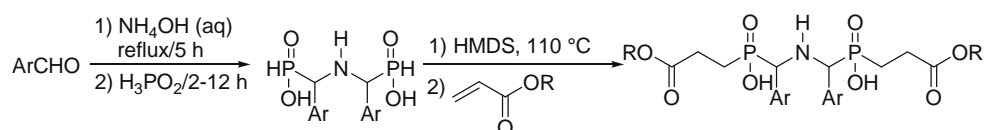
pp 1447–1449

Gianluigi Brogini \*, Simona Galli, Micol Rigamonti, Silvia Sottocornola, Gaetano Zecchi

**A simple, novel and convenient method for the synthesis of 1-aminophosphinic acids: synthesis of a novel C<sub>2</sub>-symmetric phosphinic acid pseudodipeptide**

pp 1450–1452

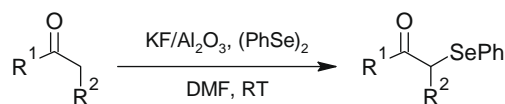
Babak Kaboudin \*, Fariba Saadati



**$\alpha$ -Phenylselenenylation of aldehydes and ketones with diphenyl diselenide mediated by KF/Al<sub>2</sub>O<sub>3</sub>**

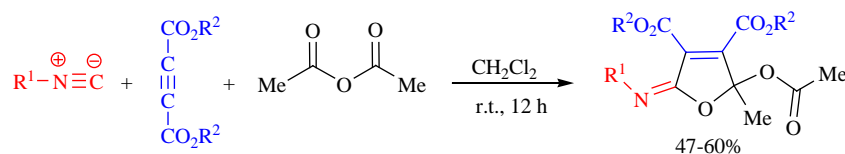
pp 1453–1455

Mohammad Nazari, Barahman Movassagh \*

R<sup>1</sup> = H, alkyl, arylR<sup>2</sup> = H, alkyl**A mild and efficient method for the synthesis of 2,5-dihydro-5-imino-2-methylfuran-3,4-dicarboxylates via an isocyanide-based multicomponent reaction**

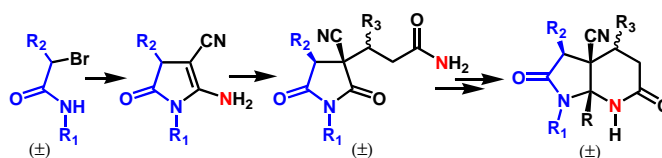
pp 1456–1458

Ahmad Shaabani \*, Ali Hossein Rezayan, Sabrieh Ghasemi, Afshin Sarvary

**Unexpected reversible nitrogen atom transfer in the synthesis of polysubstituted imides and 7-aza-hexahydroindolones via enamionitrile  $\gamma$ -lactams**

pp 1459–1462

Nabila Oukli, Sébastien Comesse \*, Nafa Chafi, Hassan Oulyadi, Adam Daïch \*

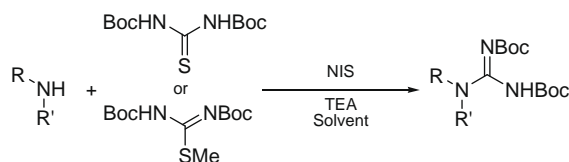


The scope of reactions of enamionitrile  $\gamma$ -lactams, obtained easily from N-alkylated  $\alpha$ -bromoacetamides and malononitrile, with acryloyl chloride derivatives has been extended successfully in forming novel polysubstituted imides. From these results, the tandem ring closure/ring opening seems to be effective and general. The latter systems obtained were then used to provide substituted 7-hexahydro-aza-indoles by using a regioselective reduction process followed ultimately by aza-cationic cyclization in acidic medium.

**NIS-promoted guanylation of amines**

pp 1463–1465

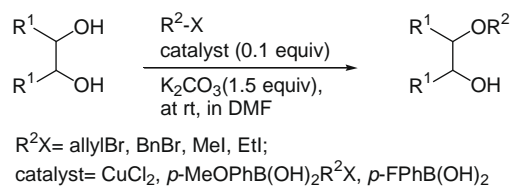
Keiichi Ohara, Jean-Jacques Vasseur \*, Michael Smietana \*



**Catalytic monoalkylation of 1,2-diols**

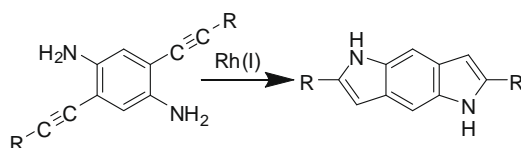
pp 1466–1468

Toshihide Maki, Nobuto Ushijima, Yoshihiro Matsumura, Osamu Onomura \*

**Intramolecular cyclization of *ortho*-alkynylanilines by Rh(I)-catalyzed hydroamination to yield benzo(dipyrroles)**

pp 1469–1471

Guy K. B. Clentsmith, Leslie D. Field \*, Barbara A. Messerle, Adelle Shasha, Peter Turner

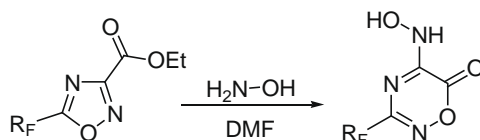


[Rh(bim)(CO)<sub>2</sub>+BPh<sub>4</sub><sup>-</sup>] (bim = bis(*N*-methylimidazol-2-yl)methane) is an efficient precatalyst for hydroamination of selected alkynylanilines to give benzo(dipyrroles) by means of hydroamination.

**Synthesis of fluorinated 1,2,4-oxadiazin-6-ones through ANRORC rearrangement of 1,2,4-oxadiazoles**

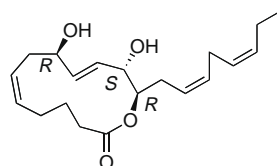
pp 1472–1474

Antonio Palumbo Piccionello, Andrea Pace, Silvestre Buscemi \*, Nicolò Vivona, Gianluca Giorgi

**Total synthesis of amphidinolactone A and its absolute configuration**

pp 1475–1477

Masahiro Hangyou, Haruaki Ishiyama, Yohei Takahashi, Takaaki Kubota, Jun'ichi Kobayashi \*



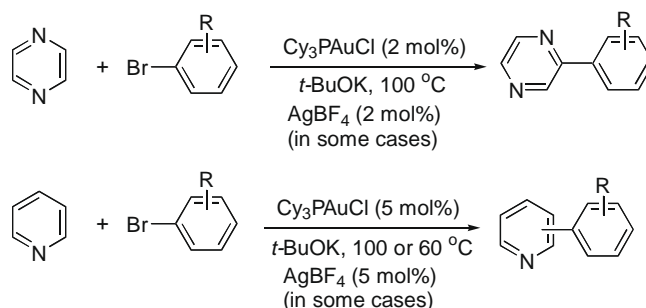
amphidinolactone A



**Gold(I)-catalyzed direct C–H arylation of pyrazine and pyridine with aryl bromides**

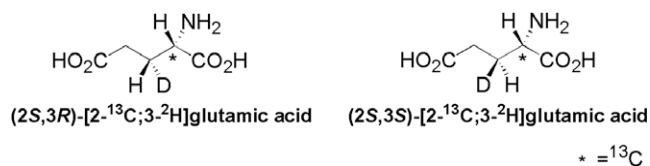
pp 1478–1481

Ming Li, Ruimao Hua \*

**Asymmetric synthesis of (2S,3R)- and (2S,3S)-[2-<sup>13</sup>C;3-<sup>2</sup>H] glutamic acid**

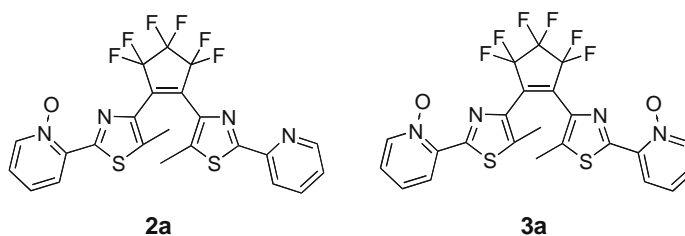
pp 1482–1484

Kosuke Okuma, Akira M. Ono, Seiji Tsuchiya, Makoto Oba, Kozaburo Nishiyama, Masatsune Kainosho, Tsutomu Terauchi \*

**Easy and efficient tuning of the photochromic properties of 1,2-bis[5'-methyl-2'-(2"-pyridyl)thiazolyl]perfluorocyclopentene**

pp 1485–1489

Marion Giraud, Anne Léaustic, Régis Guillot, Pei Yu \*, Francois Maurel \*, Keitaro Nakatani

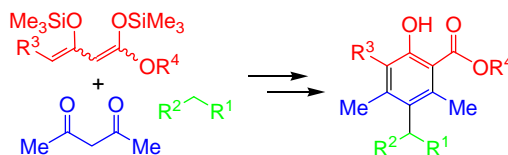


Simple oxidation of the pyridyl moieties has great impacts on the main photochromic features of 1,2-bis[5'-methyl-2'-(2"-pyridyl)thiazolyl]perfluorocyclopentene.

**Synthesis of functionalized triarylmethanes based on a 'FeCl<sub>3</sub>-catalyzed benzylation/[3+3] cyclocondensation' strategy**

pp 1490–1492

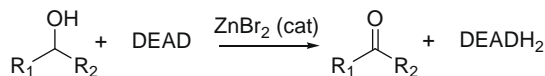
Rasheed Ahmad, Abdolmajid Riahi, Peter Langer \*



**DEAD-(cat)ZnBr<sub>2</sub> an efficient system for the oxidation of alcohols to carbonyl compounds**

pp 1493–1494

Hai Thuong Cao, René Grée \*

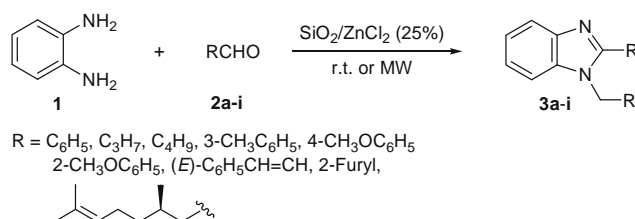


Diethyl azodicarboxylate (DEAD) in presence of catalytic amounts of ZnBr<sub>2</sub> is an efficient reagent for the oxidation of alcohols to carbonyl derivatives via dehydrogenation.

**Synthesis of 1,2-disubstitued benzimidazoles using SiO<sub>2</sub>/ZnCl<sub>2</sub>**

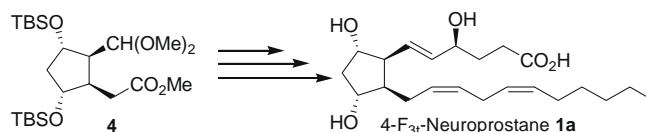
pp 1495–1497

Raquel G. Jacob \*, Luiz G. Dutra, Cátia S. Radatz, Samuel R. Mendes, Gelson Perin, Eder J. Lenardão

**Total synthesis of 4-F<sub>3t</sub>-neuroprostane and its 4-epimer**

pp 1498–1500

Anne-Laure Auvinet, Barbara Eignerová, Alexandre Guy, Martin Kotora, Thierry Durand \*

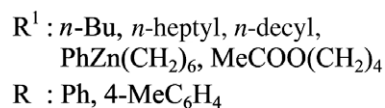
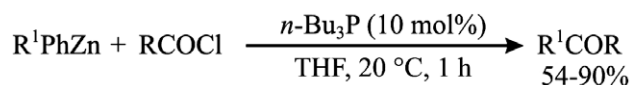


The synthesis of the 4-F<sub>3t</sub>-Neuroprostane **1a** derived from peroxidation of docosapentaenoic acid (DPA; C<sub>22</sub>:5ω6) is described starting from chiral polyfunctional cyclopentane **4**.

**Reactivities of mixed organozinc and mixed organocopper reagents, 2. Selective *n*-alkyl transfer in tri-*n*-butylphosphine-catalyzed acylation of *n*-alkyl phenylzincs; an atom economic synthesis of *n*-alkyl aryl ketones**

pp 1501–1503

Ender Erdik \*, Özgen Ömür Pekel

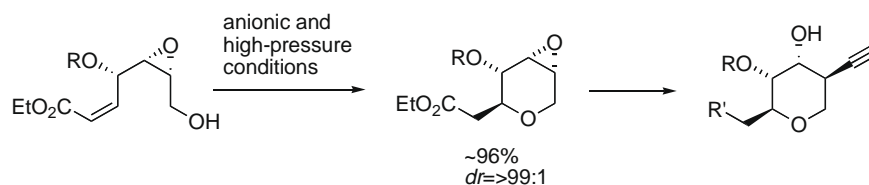


*n*-Bu<sub>3</sub>P-catalyzed acylation of mixed *n*-alkyl phenylzincs with aromatic acyl halides in THF is efficient for selective transfer of *n*-alkyl groups to produce *n*-alkyl aryl ketones in good yields.

**Diastereoselective construction of substituted tetrahydropyrans using an intramolecular oxy-Michael strategy**

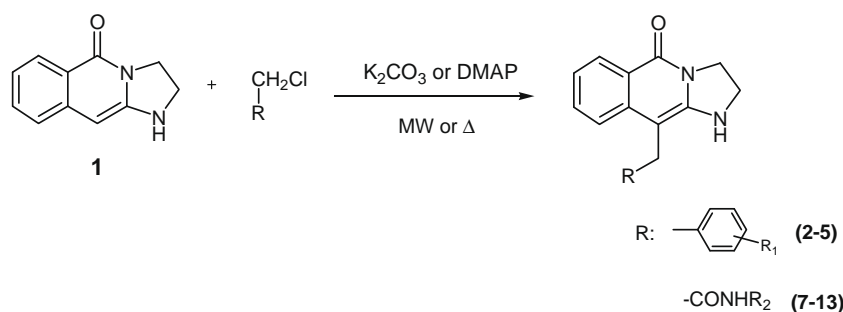
pp 1504–1506

Fumika Yakushiji, Jacques Maddaluno, Masahiro Yoshida, Kozo Shishido \*

**Microwave-assisted rapid and efficient synthesis of C-alkyl imidazoisoquinolinone derivatives**

pp 1507–1509

Mariela Bollini, Mariángeles González, Ana María Bruno \*

**OTHER CONTENT**

Corrigendum

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\*Corresponding author

Supplementary data available via ScienceDirect

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology 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®

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