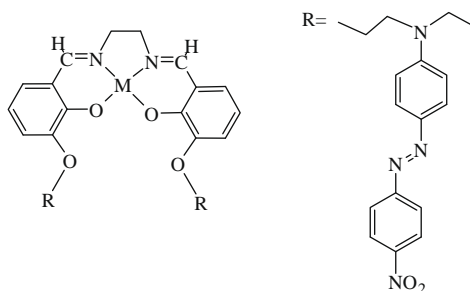


Tetrahedron Letters Vol. 50, No. 13, 2009

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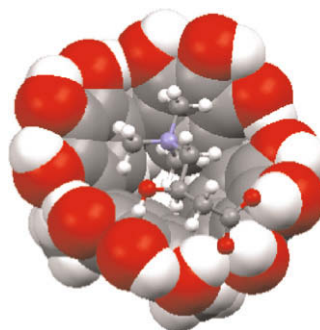
- Synthesis and two-photon absorption property of novel salen complexes incorporated with two pendant azo dyes** pp 1371–1373
Zihong Ye, Leonardo De Boni, Ubaldo Martins Neves, C. R. Mendonça, Xiu R. Bu *



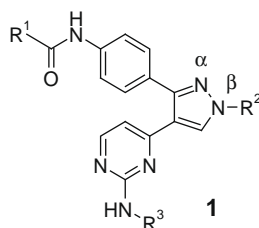
New salen compounds tethered with azo dyes have been developed and two-photon absorption properties are found to result from azo-dye components.



- 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



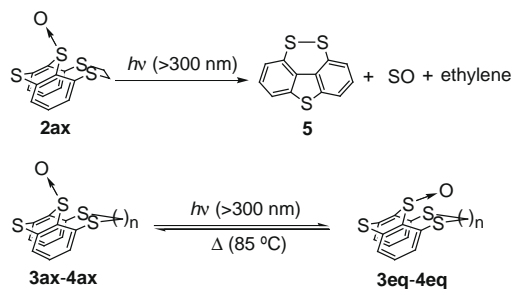
Two regioselective synthetic routes for 1-N-alkyl-3-aryl-4-[pyrimidin-4-yl]-pyrazoles of generic formula **1** were developed. These highly efficient and scalable routes circumvent the generally observed poor regioselectivity for the pyrazole alkylation.



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

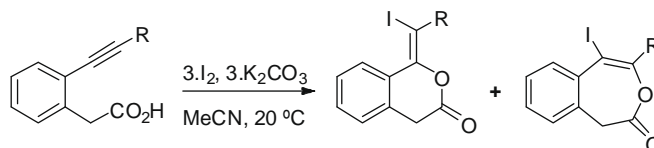
pp 1381–1384

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

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

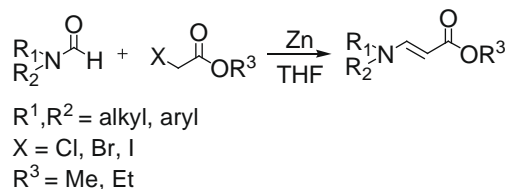
pp 1385–1388

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 β -enaminoesters via highly stereoselective Reformatsky reaction with disubstituted formamides as novel electrophiles**

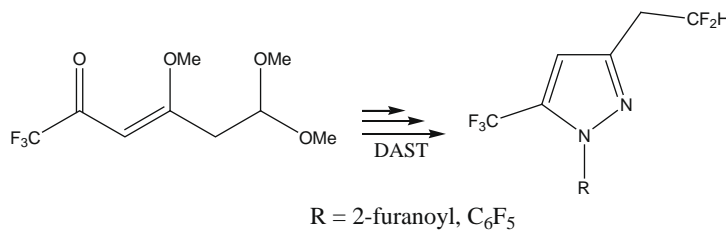
pp 1389–1391

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

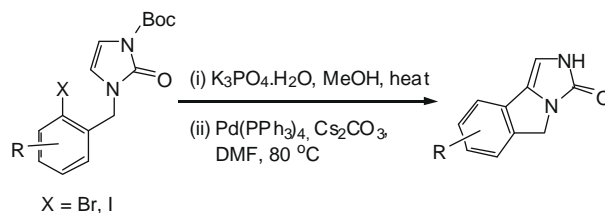
Helio G. Bonacorso *, Liliame M. F. Porte, Cleber A. Cechinel, Gisele R. Paim, Everton D. Deon, Nilo Zanatta, Marcos A. P. Martins



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

pp 1395–1398

Srinivasa Reddy Dandepally, Alfred L. Williams *

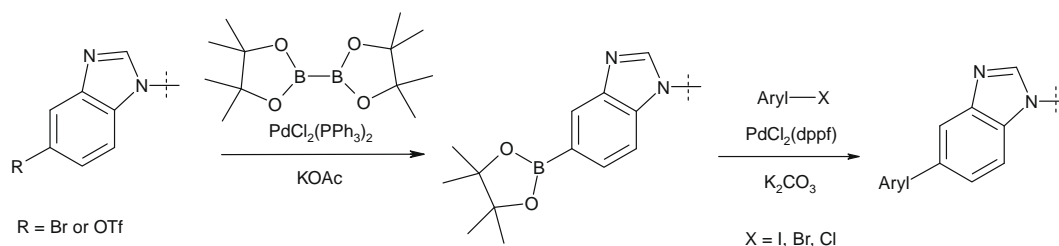


A simple protocol for the synthesis of various imidazoindol-3-ones is described by employing palladium-catalyzed intramolecular C–H insertion reaction of substituted 2-haloaryl imidazolin-2-ones.

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

pp 1399–1402

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

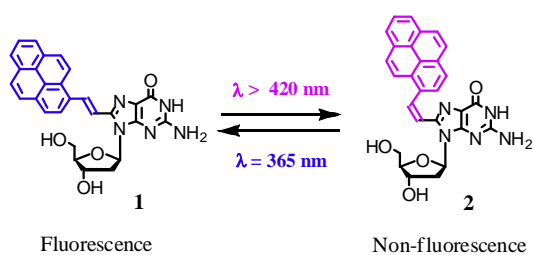


N-Substituted 5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-benzimidazoles were conveniently accessed via microwave-assisted synthesis. Subsequent Suzuki–Miyaura reaction with heteroaryl halides proceeded to give a wide variety of 5-heteroaryl-substituted benzimidazoles.

Fluorescence switching of photochromic vinylpyrene-substituted 2'-deoxyguanosine

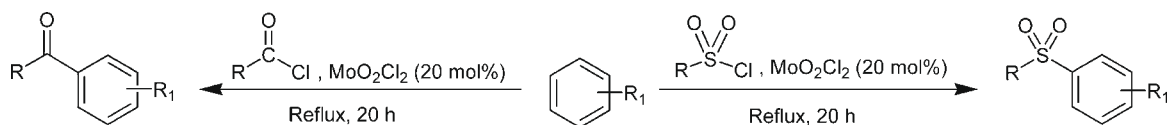
pp 1403–1406

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

**MoO₂Cl₂ as a novel catalyst for Friedel–Crafts acylation and sulfonylation**

pp 1407–1410

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

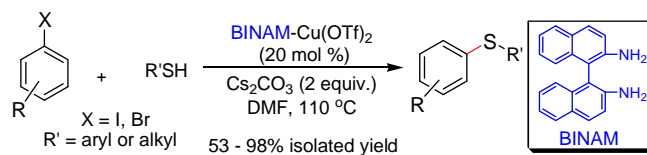


MoO₂Cl₂ catalyzes the synthesis of aromatic ketones and sulfones in moderate to good yields.

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 *

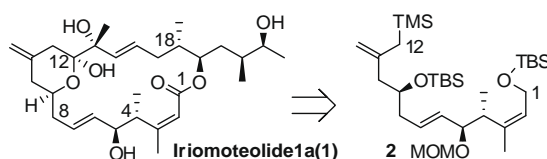


A wide range of diaryl thioethers and aryl alkyl thioethers are synthesized from the corresponding aryl iodides and aromatic/aliphatic thiols through Ullmann type intermolecular coupling reactions in the presence of a catalytic amount of easily available BINAM–Cu(OTf)₂ complex. Less reactive aryl bromides 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 C₁–C₁₂ segment of iriomoteolide-1a: a very potent macrolide antitumor agent**

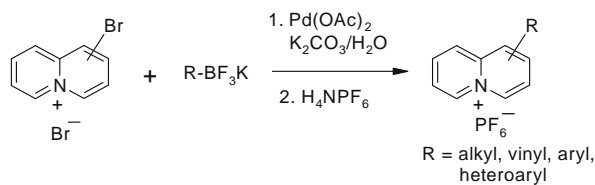
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Arun K. Ghosh *, Hao Yuan

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

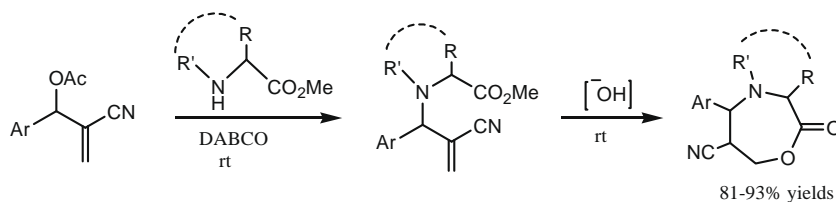
pp 1419–1422

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

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

pp 1423–1426

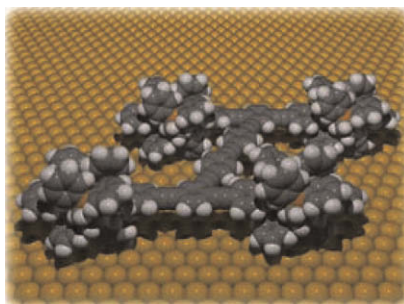
Lal Dhar S. Yadav *, Vishnu P. Srivastava, Rajesh Patel



Synthesis of a nanocar with organometallic wheels

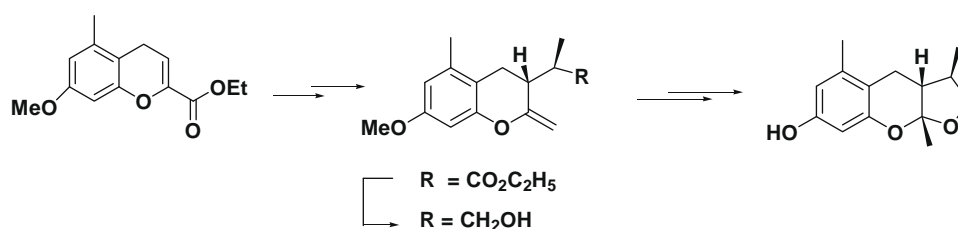
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Guillaume Vives, James M. Tour *

**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**

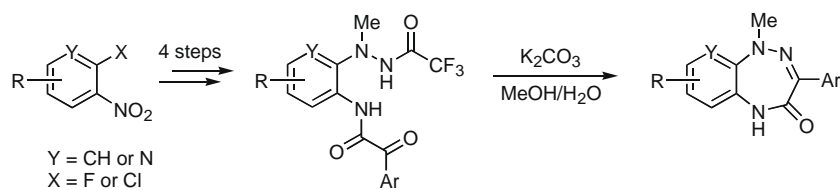
pp 1431–1434

Debayan Sarkar, Subrata Ghosh, Ramanathapuram V. Venkateswaran *

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

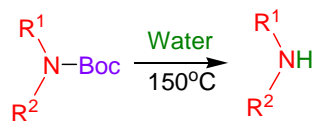
pp 1435–1437

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 *

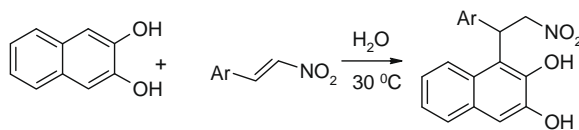


A catalyst-free water-mediated *N*-Boc deprotection of *N*-Boc-amines is reported. In the absence of any additional reagents, the free amines were formed from a variety of aromatic and aliphatic *N*-Boc-amines as well as from some *N*-Boc-amino acid derivatives.

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 *

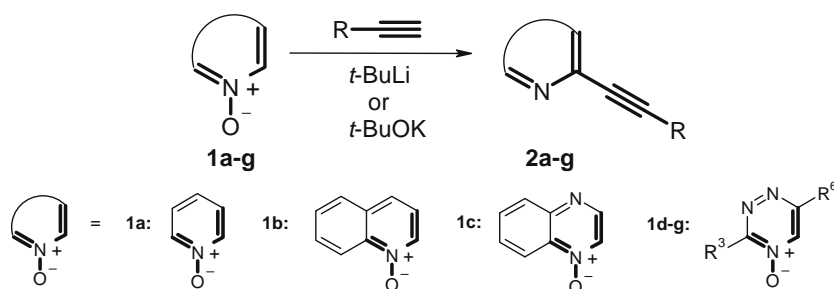


The accelerated Michael-type Friedel–Crafts alkylation of naphthols with nitrostyrenes in the presence of water is reported.

Direct introduction of acetylene moieties into azines by S_N^H methodology

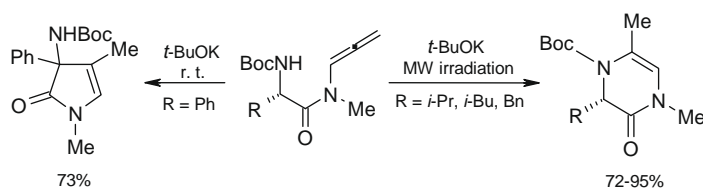
pp 1444–1446

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

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

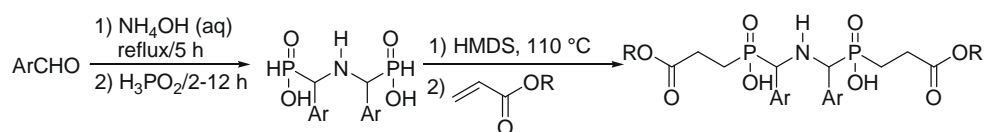
pp 1447–1449

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 C₂-symmetric phosphinic acid pseudodipeptide**

pp 1450–1452

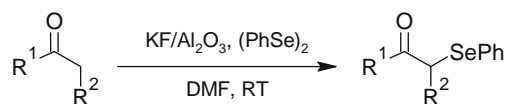
Babak Kaboudin *, Fariba Saadati



α -Phenylselenenylation of aldehydes and ketones with diphenyl diselenide mediated by KF/Al₂O₃

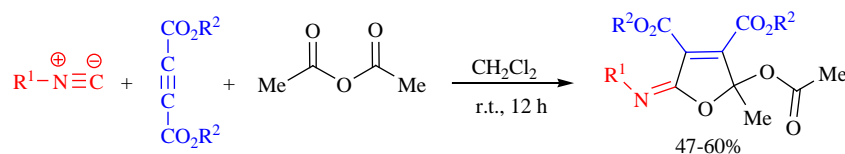
pp 1453–1455

Mohammad Nazari, Barahman Movassagh *

R¹ = H, alkyl, arylR² = 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**

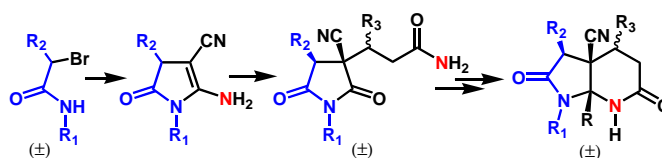
pp 1456–1458

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 γ -lactams**

pp 1459–1462

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

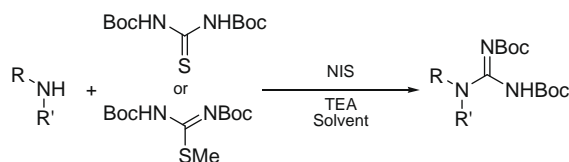


The scope of reactions of enamionitrile γ -lactams, obtained easily from N-alkylated α -bromoacetamides and malononitrile, with acryloyl chloride derivatives has been extended successfully in forming novel polysubstituted imides. From these results, the tandem ring closure/ring opening seems to be effective 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

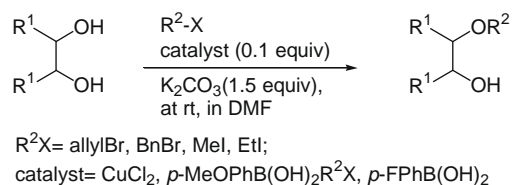
Keiichi Ohara, Jean-Jacques Vasseur *, Michael Smietana *



Catalytic monoalkylation of 1,2-diols

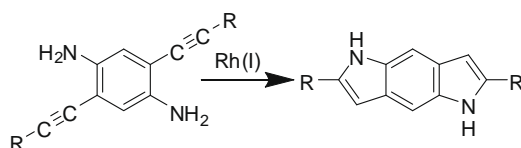
pp 1466–1468

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

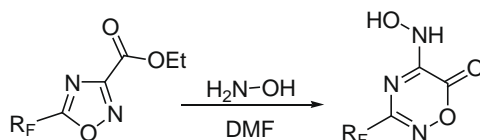


[Rh(bim)(CO)₂+BPh₄⁻] (bim = bis(*N*-methylimidazol-2-yl)methane) is an efficient precatalyst for hydroamination of selected alkynylanilines to give benzo(dipyrroles) by means of hydroamination.

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

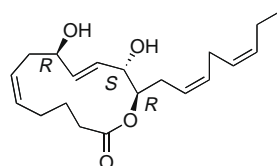
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Antonio Palumbo Piccionello, Andrea Pace, Silvestre Buscemi *, Nicolò Vivona, Gianluca Giorgi

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

pp 1475–1477

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

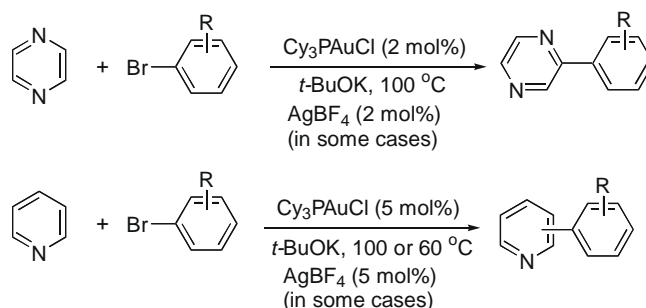


amphidinolactone A

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

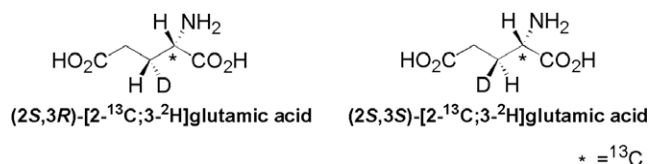
pp 1478–1481

Ming Li, Ruimao Hua *

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

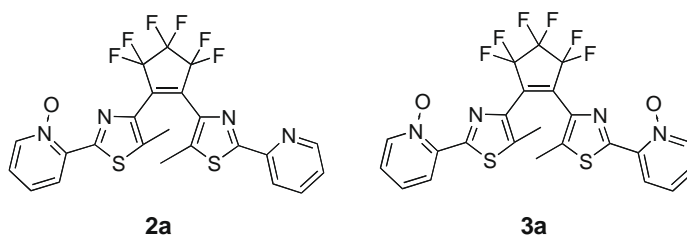
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Kosuke Okuma, Akira M. Ono, Seiji Tsuchiya, Makoto Oba, Kozaburo Nishiyama, Masatsune Kainosho, Tsutomu Terauchi *

**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

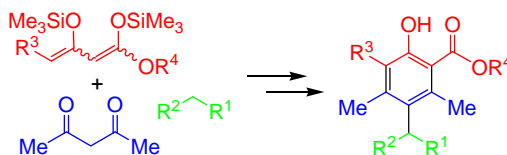


Simple oxidation of the pyridyl moieties has great impacts on the main photochromic features of 1,2-bis[5'-methyl-2'-(2''-pyridyl)thiazolyl]perfluorocyclopentene.

Synthesis of functionalized triarylmethanes based on a 'FeCl₃-catalyzed benzylation/[3+3] cyclocondensation' strategy

pp 1490–1492

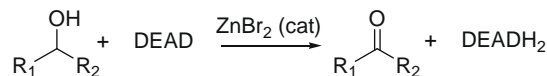
Rasheed Ahmad, Abdolmajid Riahi, Peter Langer *



DEAD-(cat)ZnBr₂ an efficient system for the oxidation of alcohols to carbonyl compounds

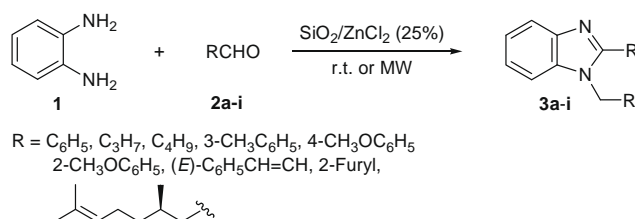
pp 1493–1494

Hai Thuong Cao, René Grée *

Diethyl azodicarboxylate (DEAD) in presence of catalytic amounts of ZnBr₂ is an efficient reagent for the oxidation of alcohols to carbonyl derivatives via dehydrogenation.**Synthesis of 1,2-disubstituted benzimidazoles using SiO₂/ZnCl₂**

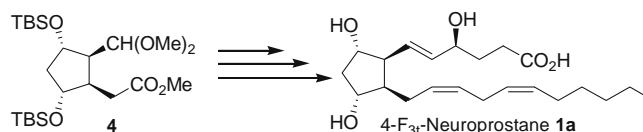
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Raquel G. Jacob *, Luiz G. Dutra, Cátia S. Radatz, Samuel R. Mendes, Gelson Perin, Eder J. Lenardão

**Total synthesis of 4-F_{3t}-neuroprostane and its 4-epimer**

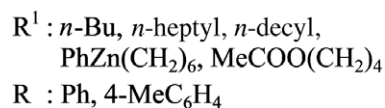
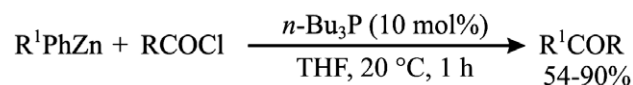
pp 1498–1500

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

The synthesis of the 4-F_{3t}-Neuroprostane **1a** derived from peroxidation of docosapentaenoic acid (DPA; C₂₂:5ω6) 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

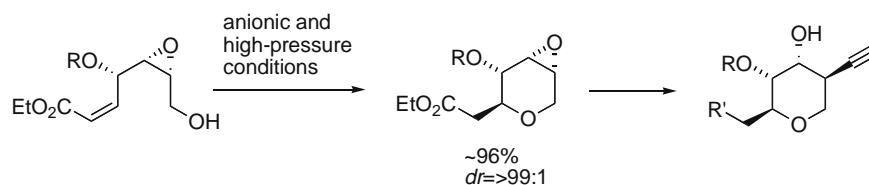
Ender Erdik *, Özgen Ömür Pekel

*n*-Bu₃P-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

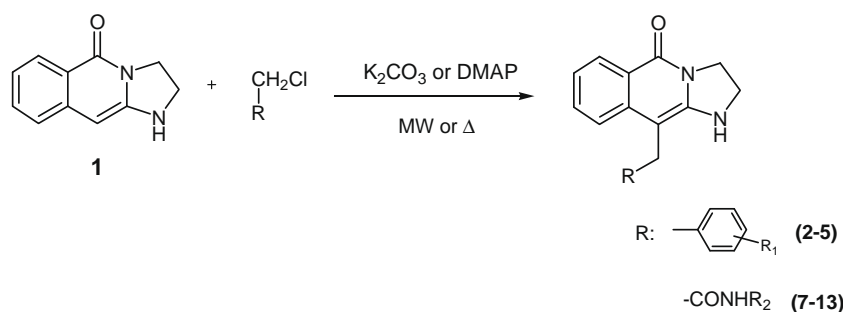
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Fumika Yakushiji, Jacques Maddaluno, Masahiro Yoshida, Kozo Shishido *

**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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