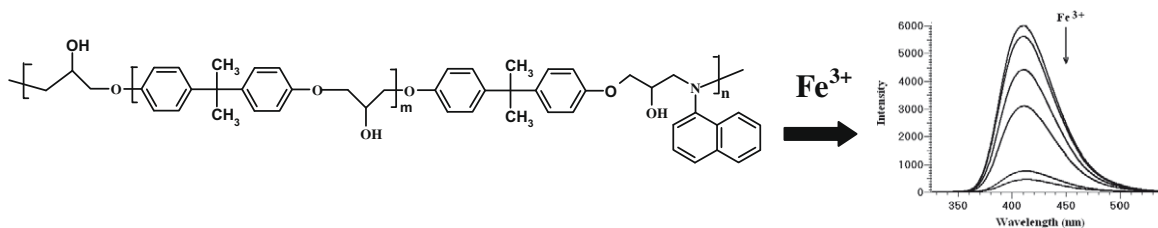


Epoxy-based polymer bearing 1-naphthylamine units: highly selective fluorescent chemosensor for ferric ion

pp 3177–3180

Samaresh Ghosh*, Chandan K. Dey, Rajkumar Manna

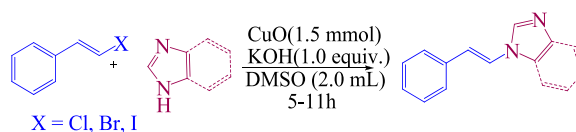


A simple epoxy-based polymer **1** bearing 1-naphthylamine units has been synthesized and its recognition behaviors toward various metal ions have been investigated in THF–water (8:2, v/v) solution. The designed polymer **1** was found to exhibit selective ON–OFF-type fluorosensing behavior toward Fe^{3+} ions over other representative metal ions such as Cu^{2+} , Zn^{2+} , Co^{2+} , Ni^{2+} , and Hg^{2+} ions.

Copper oxide nanoparticles catalyzed vinylation of imidazoles with vinyl halides under ligand-free conditions

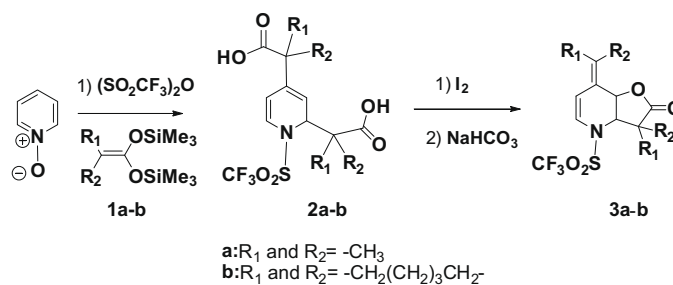
pp 3181–3185

V. Prakash Reddy, A. Vijay Kumar, K. Rama Rao*

**An expedient approach to tetrahydrofuro[3,2-*b*]pyridine-2(3*H*)-ones via activation of pyridine *N*-oxide by triflic anhydride**

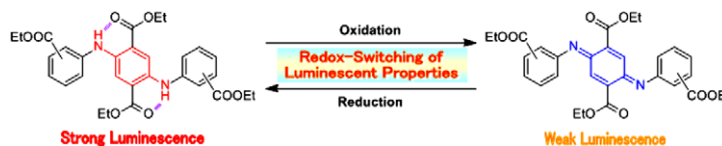
pp 3186–3189

N. Gualo-Soberanes, M. C. Ortega-Alfaro, J. G. López-Cortés, R. A. Toscano, H. Rudler, C. Álvarez-Toledano*

**Luminescent properties of phenylenediamine derivatives depending on the redox states**

pp 3190–3192

Satoshi D. Ohmura, Toshiyuki Moriuchi*, Toshikazu Hirao*

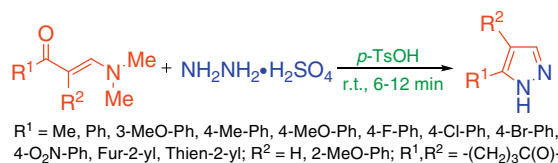


Phenylenediamines bearing the ethoxycarbonyl groups were synthesized to modulate luminescent properties. Switching of the luminescent properties was achieved by redox change between the phenylenediamine and quinonediimine derivatives.

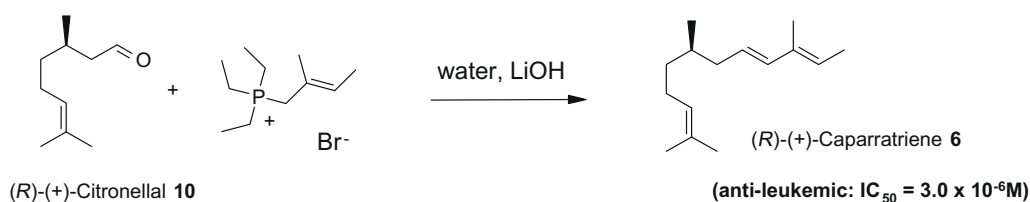


An efficient solvent-free synthesis of *NH*-pyrazoles from β -dimethylaminovinylketones and hydrazine on grinding pp 3193–3196

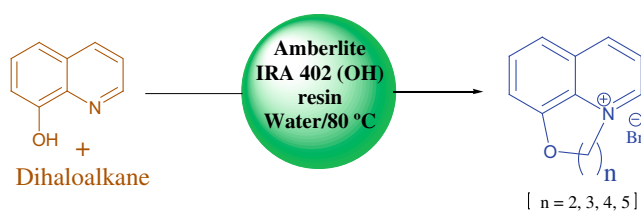
Kelvis Longhi, Dayse N. Moreira, Mara R. B. Marzari, Vagner M. Floss, Helio G. Bonacorso, Nilo Zanatta, Marcos A. P. Martins*

A series of *NH*-pyrazoles was efficiently synthesized from the reaction of β -enaminones and hydrazine sulfate in solid-state on grinding in the presence of *p*-toluenesulfonic acid.**A short synthesis of the anti-leukemic sesquiterpene (+)-caparratriene employing aqueous Wittig chemistry** pp 3197–3199

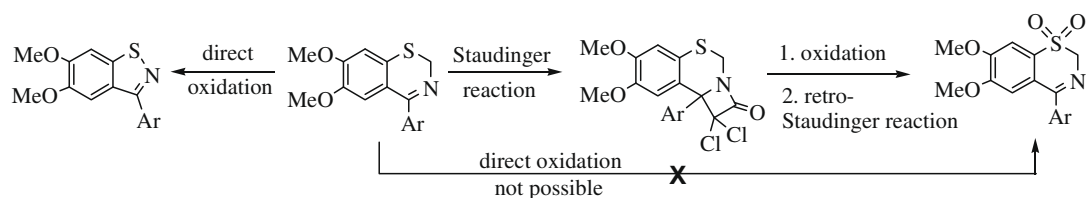
Priyabrata Das, James McNulty*

**Amberlite IRA 402(OH): an efficient mediator for the exclusive synthesis of fused tricyclic oxaza quinolinium salts** pp 3200–3204

Rupankar Paira, Priyankar Paira, Arindam Maity, Shyamal Mondal, Abhijit Hazra, Krishnendu B. Sahu, Subhendu Naskar, Pritam Saha, Maitreyee Banerjee, Nirup B. Mondal*

**Staudinger and retro-Staudinger reactions. The dichloro- β -lactam moiety as a useful handle for the synthesis of 4-aryl-2*H*-1,3-benzothiazine 1,1-dioxides** pp 3205–3207

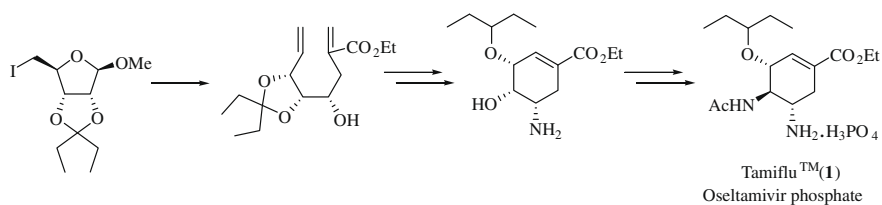
Lajos Fodor*, Péter Csomós, Antal Csámpai, Pál Sohár*



An efficient synthesis of oseltamivir phosphate (Tamiflu) via a metal-mediated domino reaction and ring-closing metathesis

pp 3208–3210

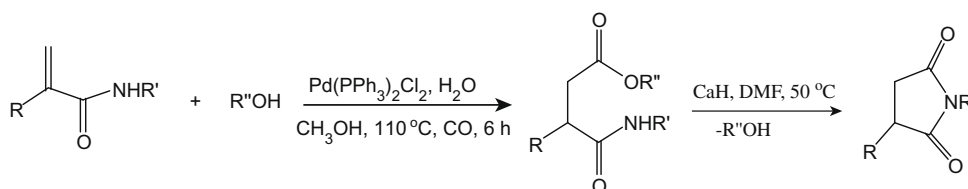
Pawinee Wichienukul, Sunisa Akkarasamiyo, Ngampong Kongkathip, Boonsong Kongkathip*



Palladium-catalyzed selective alkoxy carbonylation of α,β -unsaturated amides: a novel approach toward new ω -amido esters and *N*-substituted cyclic succinimides

pp 3211–3215

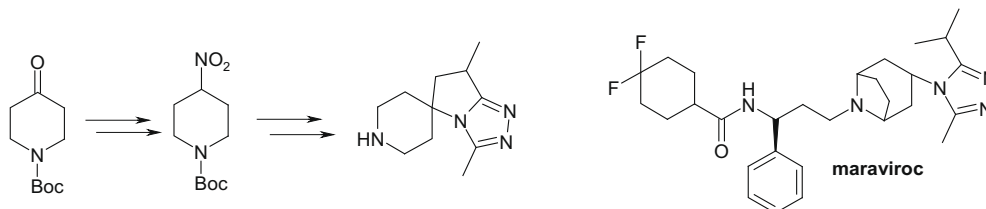
Rami Suleiman, Bassam El Ali*



N-Boc 4-nitropiperidine: preparation and conversion into a spiro piperidine analogue of the eastern part of maraviroc

pp 3216–3217

Philip Mullen, Hugues Miel*, M. Anthony McKerverey

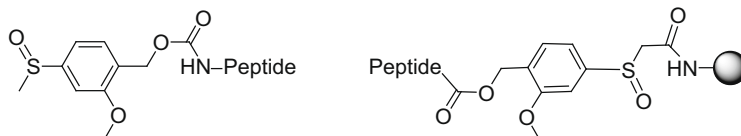


A simple preparation of previously unreported *N*-Boc 4-nitropiperidine is described. The synthetic utility of this new intermediate is illustrated by the synthesis of a spiro piperidine analogue of the eastern part of maraviroc.

A new safety-catch protecting group and linker for solid-phase synthesis

pp 3218–3220

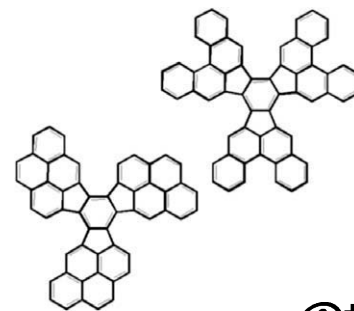
Sathiah Thennarasu, Chuan-Fa Liu*



Synthesis of end-cap precursor molecules for (6, 6) armchair and (9, 0) zig-zag single-walled carbon nanotubes

pp 3221–3225

Andreas Mueller, Konstantin Yu. Amsharov, Martin Jansen*

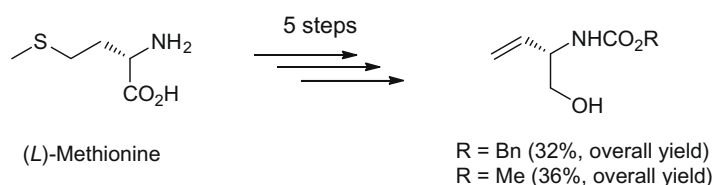


The synthesis of two precursor molecules for end-caps of single-walled carbon nanotubes, namely C₆₀H₃₀ for a (6, 6) nanotube and C₅₄H₂₄ for a (9, 0) nanotube, is presented. Further an attractive approach for the subsequent growth of the corresponding SWCNTs is discussed.

**An efficient and scalable synthesis of *N*-(benzyloxycarbonyl)- and *N*-(methyloxycarbonyl)-(*S*)-vinylglycinol**

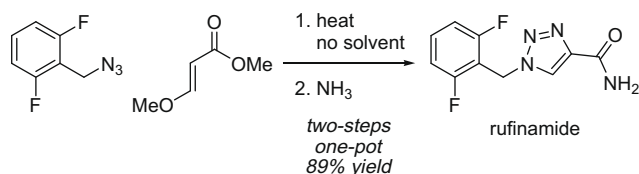
pp 3226–3228

Alexandre Lumbroso, Vincent Coeffard, Erwan Le Grogneq*, Isabelle Beaudet, Jean-Paul Quintard*

**An efficient synthesis of rufinamide, an antiepileptic drug**

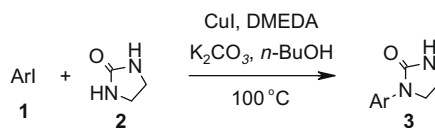
pp 3229–3231

Whitney H. Mudd, Erland P. Stevens*

**Mild, convenient and versatile Cu-mediated synthesis of *N*-aryl-2-imidazolidinones**

pp 3232–3235

Paolo Stabile*, Alessandro Lamonica, Arianna Ribecai, Damiano Castoldi, Giuseppe Guercio, Ornella Curcuruto



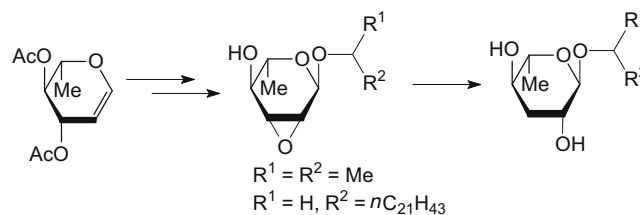
A mild, general, convenient and practical methodology for the selective copper-mediated mono *N*-arylation of unprotected 2-imidazolidinone was developed. Strong electron-donating groups and free hydroxy and amino groups on the aryl iodide substrates were well tolerated. The use of *n*-butanol as the solvent for the copper-catalysed mono-arylation of 2-imidazolidinone is unprecedented.



Synthesis and Raman spectra of 3-deoxy- α -L-rhamnosides as model sugars of the *Ascaris* egg shell

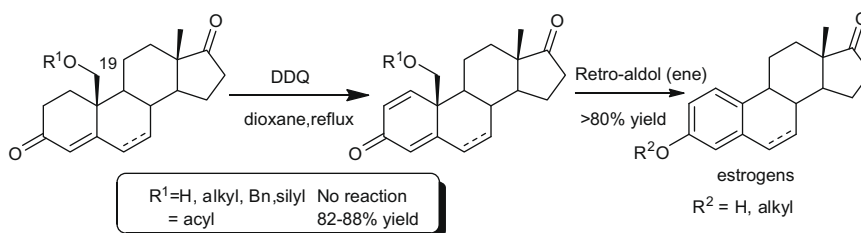
pp 3236–3241

Jean-Pierre Joly*, Frédéric Roze, Sandrine Banas, Fabienne Quilès*

The synthesis of two 3-deoxy- α -L-rhamnosides (i.e., 3,6-dideoxy-L-arabino-hexopyranosides) as models of ascaroside natural products is reported.**Protecting group effect on the 1,2-dehydrogenation of 19-hydroxysteroids: a highly efficient protocol for the synthesis of estrogens**

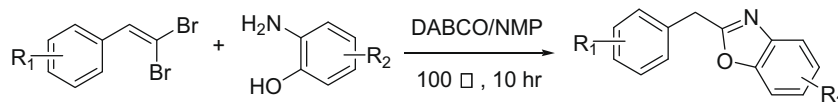
pp 3242–3245

Yu Jing, Cheng-Gong Xu, Kai Ding*, Jing-Rong Lin, Rong-Hua Jin, Wei-Sheng Tian*

**Facile synthesis of benzoxazoles from 1,1-dibromoethenes**

pp 3246–3249

Kemei Tao, Jianlong Zheng, Zhaogui Liu, Wang Shen*, Jiancun Zhang*



Direct coupling of 1,1-dibromoethenes with 2-aminophenols had been achieved to form corresponding benzoxazoles under mildly basic reaction conditions.

*Corresponding author

Supplementary data available via ScienceDirect

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