

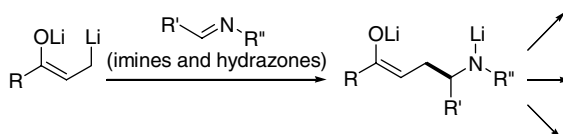
Contents

COMMUNICATIONS

Reactions of ketone dilithio α,β -dianions with imines and hydrazones: an anionic access to γ -amino ketones

pp 2283–2286

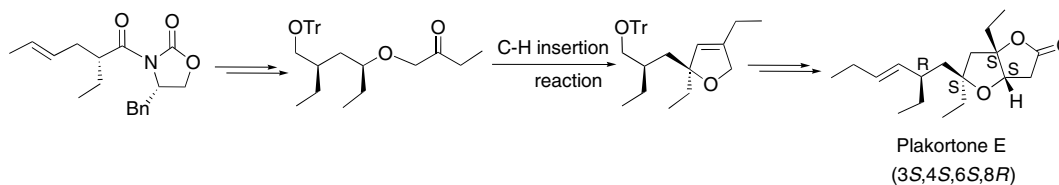
Ilhyong Ryu,* Go-hei Yamamura, Sohei Omura, Satoshi Minakata and Mitsuo Komatsu



Total synthesis and absolute stereochemistry of plakortone E

pp 2287–2290

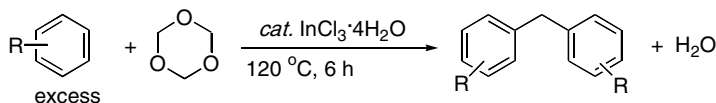
Megumi Akiyama, Yuichi Isoda, Masato Nishimoto, Maiko Narazaki, Hiroaki Oka, Atsuhito Kuboki and Susumu Ohira*



An efficient synthesis of diarylmethanes via $\text{InCl}_3 \cdot 4\text{H}_2\text{O}$ -catalyzed dehydration of electron-rich arenes with trioxane

pp 2291–2294

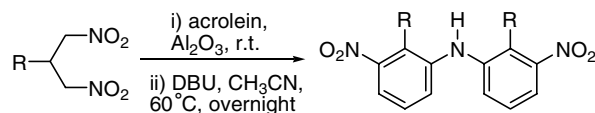
Hong-Bin Sun, Ruimao Hua* and Yingwu Yin*



A facile, efficient and environmentally benign procedure for the synthesis of diarylmethanes via the reaction of aromatic compounds with trioxane catalyzed by $\text{InCl}_3 \cdot 4\text{H}_2\text{O}$ was developed. The reactions of aromatic compounds bearing electron-donating group proceeded smoothly affording the corresponding diarylmethanes in good to excellent yields.

Unprecedented two-step synthesis of symmetrical diarylamines from 2-alkyl-1,3-dinitropropanes
 Roberto Ballini,* Luciano Barboni,* Cristina Femoni, Guido Giarlo and Alessandro Palmieri

pp 2295–2297



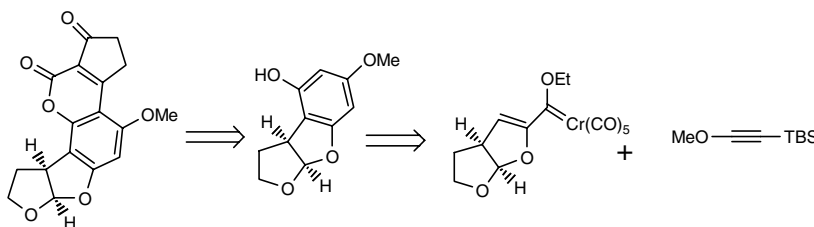
Reaction of 1,3-dinitropropanes with acrolein under basic conditions (Al_2O_3 , neat), followed by aromatisation of the obtained 2,4-dinitrocyclohexanols, through their treatment with DBU, gives symmetrical diarylamines.



A formal synthesis of aflatoxin B2: a Dötz benzannulation approach

pp 2299–2304

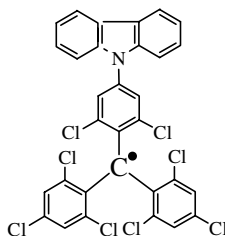
Stephen A. Eastham, Steven P. Ingham, Michael R. Hallett, John Herbert, Peter Quayle* and James Raftery



[4-(*N*-Carbazolyl)-2,6-dichlorophenyl]bis(2,4,6-trichlorophenyl)methyl radical an efficient red light-emitting paramagnetic molecule

pp 2305–2309

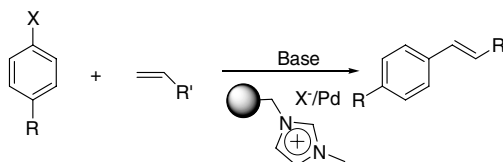
Vanesa Gamero, Dolores Velasco, Sonia Latorre, Francisco López-Calahorra, Enric Brillas and Luis Juliá*



Palladium *N*-methylimidazolium supported complexes as efficient catalysts for the Heck reaction

pp 2311–2314

Belen Altava, M. Isabel Burguete, Eduardo García-Verdugo, Naima Karbass, Santiago V. Luis,* Amrit Puzary and Victor Sans

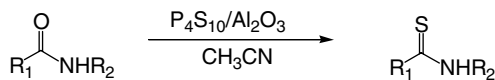


Efficient and reusable Pd catalysts for the Heck reaction are obtained from resin-supported imidazolium salts, in particular, when pincer moieties are present.

Alumina encapsulated phosphorus pentasulfide (P₄S₁₀/Al₂O₃) mediated efficient thionation of long chain amides

pp 2315–2317

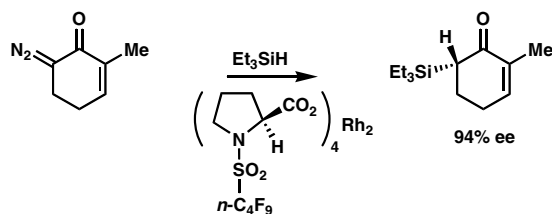
Vivek Polshettiwar* and M. P. Kaushik*



A method for the catalytic enantioselective synthesis of 6-silylated 2-cyclohexenones

pp 2319–2321

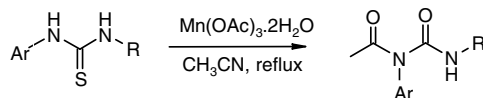
Min Ge and E. J. Corey*



Regioselective synthesis of *N*-acetylureas by manganese(III) acetate reaction of 1,3-disubstituted thioureas

pp 2323–2325

Xue-Jun Mu, Jian-Ping Zou,* Qiu-Feng Qian and Wei Zhang*



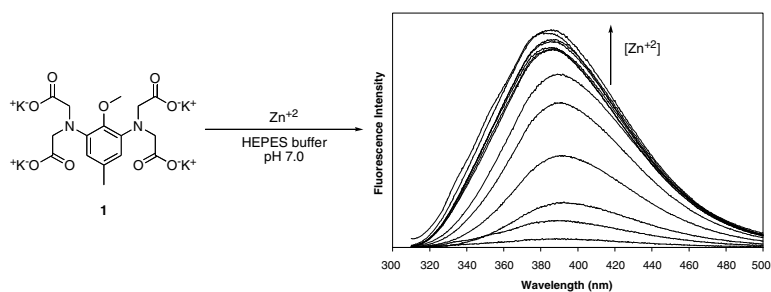
Reactions of asymmetrical 1,3-disubstituted thioureas with manganese(III) acetate produce regioselective *N*-acetylureas. A mechanism for this novel transformation is proposed.



Design of a zinc(II) ion specific fluorescence sensor

pp 2327–2330

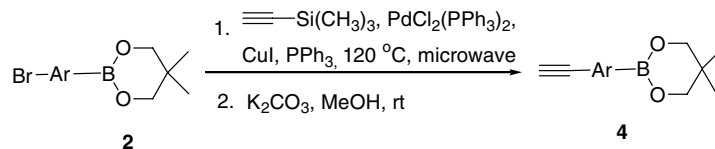
Julius N. Ngwendson, Carrie L. Amiot, D. K. Srivastava and Anamitro Banerjee*



Microwave-assisted synthesis of ethynylarylboronates for the construction of boronic acid-based fluorescent sensors for carbohydrates

pp 2331–2335

Shi-Long Zheng, Suazette Reid, Na Lin and Binghe Wang*

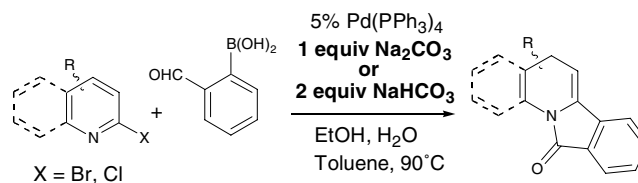


A facile procedure for the synthesis of ethynylaryl boronates **4** was developed. The key step is microwave-facilitated formation of trimethylsilylethynylaryl boronates by Sonogashira reaction from the corresponding bromides.


A cascade process toward the synthesis of fused polycyclic dihydropyridines

pp 2337–2340

Victor Mamane* and Yves Fort

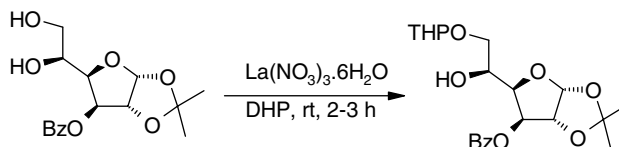


The synthesis of fused polycyclic dihydropyridines was achieved using a cascade process comprising a Suzuki coupling, a nucleophilic cyclization and a hydrogen migration. Several functional groups are tolerated in this reaction and the methodology could be applied with success to quinoline and isoquinoline derivatives.


A mild and efficient chemoselective tetrahydropyranylation of primary alcohols using $\text{La}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$ as a catalyst under solvent-free conditions

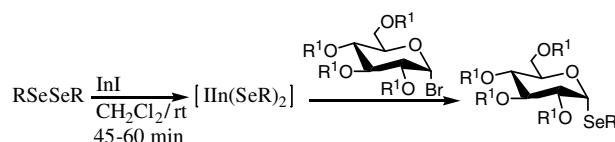
pp 2341–2344

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


Indium(I) iodide mediated efficient synthesis of selenoglycosides

pp 2345–2348

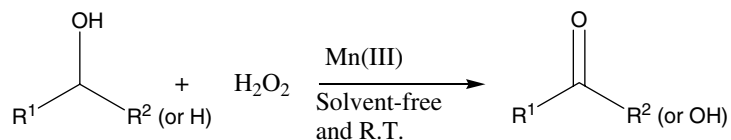
Pallavi Tiwari and Anup Kumar Misra*



Effective oxidation of benzylic and aliphatic alcohols with hydrogen peroxide catalyzed by a manganese(III) Schiff-base complex under solvent-free conditions

pp 2349–2352

Hamid R. Mardani and Hamid Golchoubian*

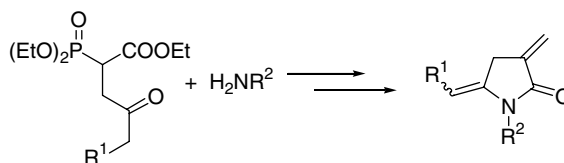


A variety of alcohols were oxidized efficiently into the corresponding ketones and carboxylic acids in excellent yields with hydrogen peroxide using a manganese(III) Schiff-base complex as a catalyst under solvent-free and mild conditions.

New, diastereoselective synthesis of 1-alkyl-5-alkylidene-3-methylidenepyrrolidin-2-ones

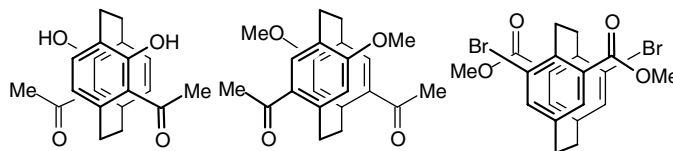
pp 2353–2355

Anna Albrecht, Jacek Kędzia, Jacek F. Koszuc, Edyta Warzycha and Tomasz Janecki*

**The first regioselective double electrophilic substitution of the C_2 -symmetric *pseudo-meta*-disubstituted [2.2]paracyclophanes**

pp 2357–2360

Natalia V. Vorontsova, Evgenii V. Vorontsov, Elena V. Sergeeva and Valeria I. Rozenberg*

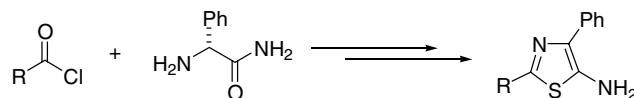


Ortho-, *para*-, and *pseudo-gem*-regioselective double electrophilic substitution of *pseudo-meta*-disubstituted [2.2]paracyclophanes gave rise to three possible types of chiral C_2 -symmetric bis-bifunctional derivatives.

Synthesis of 5-aminothiazoles as building blocks for library synthesis

pp 2361–2364

Mark J. Thompson, William Heal and Beining Chen*

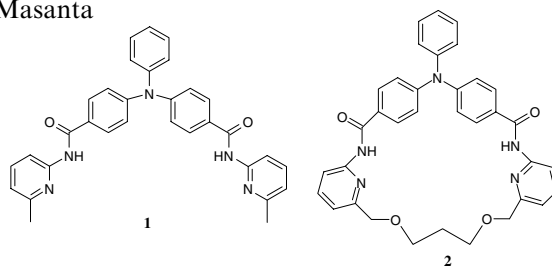


A series of 2-*N*-acylglycinamides was converted into differently 2-substituted-5-aminothiazoles by treatment with Lawesson's reagent followed by TFAA-mediated cyclisation and subsequent hydrolysis of the trifluoroacetamide.

Triphenylamine-based novel PET sensors in selective recognition of dicarboxylic acids

pp 2365–2369

Kumares Ghosh* and Goutam Masanta

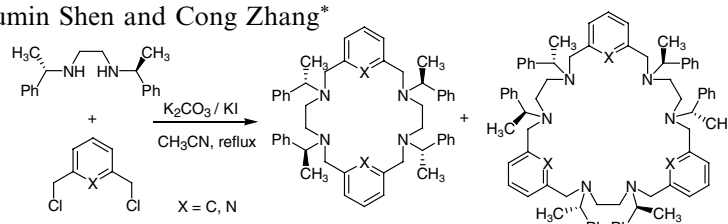


The triphenylamine-based PET chemosensors **1** and **2** have been designed and synthesized, for the first time, for the selective recognition of dicarboxylic acids. The receptor **1** is found to be selective for glutaric and adipic acids and the macrocycle **2** is specific for 2,2-dimethylmalonic acid.

A facile synthesis of chiral polyazamacrocycles and the UV spectroscopic and CD spectra studies on metal complexes

pp 2371–2375

Lin Ai, Jichuan Xiao, Xiumin Shen and Cong Zhang*



A series of chiral polyazamacrocycles with 12, 18, 24, 27, 36-membered rings were designed and synthesized using (*S*)- α -phenylethylamine as initial chiral source. The UV spectroscopic titration experiments of polyazamacrocycle **3b** with metal ions were carried out and the binding constants and free energy changes were calculated according to the modified Benesi–Hildebrand equation. Circular dichroism spectra were recorded for **3b** with metal ions.

**Asymmetric addition reactions of Grignard reagents to chiral 2-trifluoromethyl *tert*-butyl (Ellman) sulfinimine–ethanol adducts**

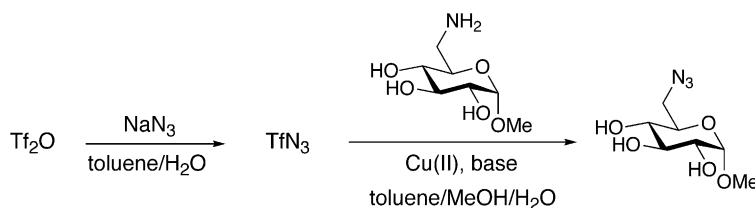
pp 2377–2381

Scott D. Kuduk,* Christina Ng Di Marco, Steven M. Pitzenberger and Nancy Tsou

**A safe and convenient method for the preparation of triflyl azide, and its use in diazo transfer reactions to primary amines**

pp 2383–2385

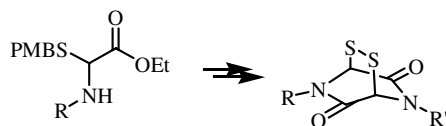
Alexander Titz, Zorana Radic, Oliver Schwardt and Beat Ernst*



A concise approach to the epidithiodiketopiperazine (ETP) core

pp 2387–2390

Abil E. Aliev, Stephen T. Hilton, William B. Motherwell* and David L. Selwood

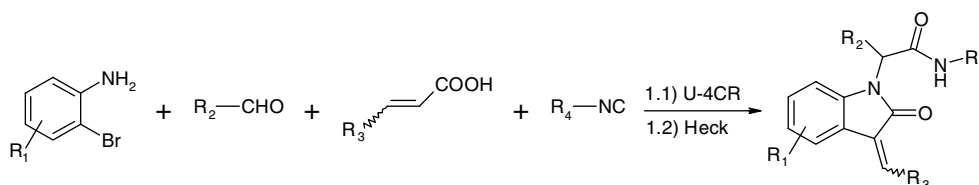


A novel approach to the epidithiodiketopiperazine nucleus, incorporating two three-component reactions in a four-step synthetic sequence is reported.

A new and versatile one-pot synthesis of indol-2-ones by a novel Ugi-four-component-Heck reaction

pp 2391–2393

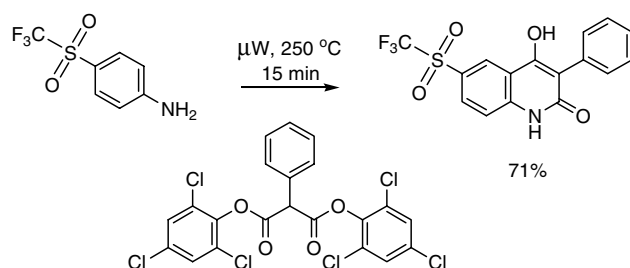
Michael Umkehrer,* Cédric Kalinski, Jürgen Kolb and Christoph Burdack



Solvent-free microwave synthesis of 4-hydroxy-3-phenylquinolin-2(1H)-ones and variants using activated arylmalonates

pp 2395–2398

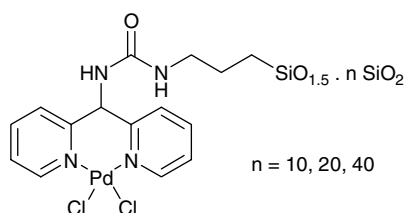
Alexey Rivkin* and Bruce Adams



Hybrid organic–inorganic silica materials containing di(2-pyridyl)methylamine–palladium dichloride complex as recyclable catalysts for Suzuki cross-coupling reactions

pp 2399–2403

Montserrat Trilla, Roser Pleixats,* Michel Wong Chi Man, Catherine Bied and Jöel J. E. Moreau



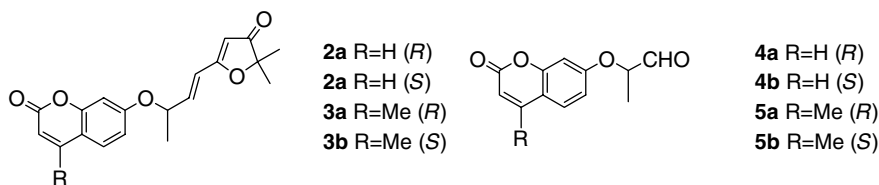
Hybrid materials containing di(2-pyridyl)methylamine–palladium dichloride complex covalently bonded to silica were prepared by sol-gel process and tested as reusable catalysts.



A new convenient route to enantiopure 2-coumarinyloxypropanals: application to the synthesis of optically active geiparvarin analogues

pp 2405–2408

Stefano Chimichi,* Marco Boccalini,* Giancarlo Cravotto and Ornelio Rosati

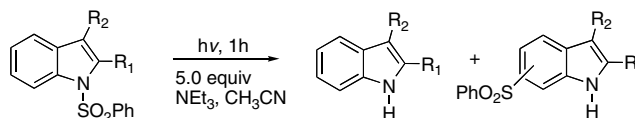


The synthesis of enantiopure 2-coumarinyloxypropanals is described.

Photodesulfonylation of indoles initiated by electron transfer from triethylamine

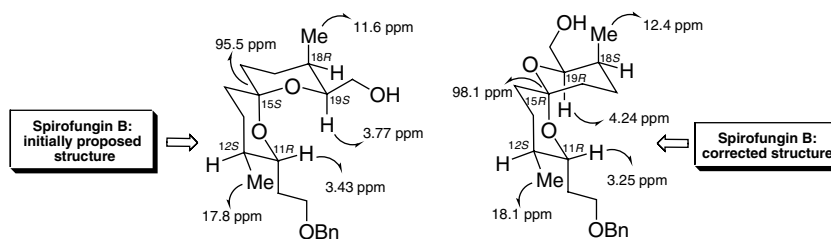
pp 2409–2412

Xuechuan Hong, José M. Mejía-Oneto, Stefan France and Albert Padwa*


Spirofungins A and B: a reassignment of Kiyota's spiroketals

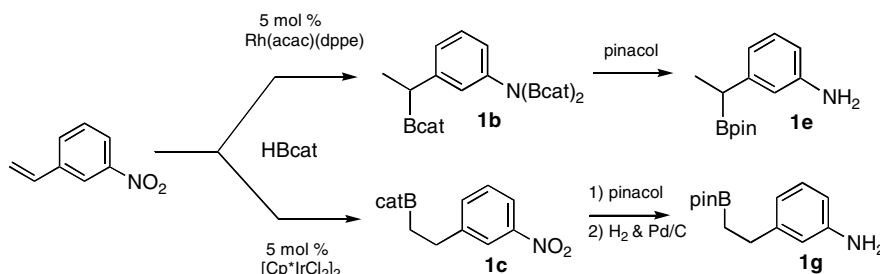
pp 2413–2418

Luciana G. de Oliveira, Luiz C. Dias,* Hiroyuki Sakauchi and Hiromasa Kiyota


Catalyzed hydroboration of nitrostyrenes and 4-vinylaniline: a mild and selective route to aniline derivatives containing boronate esters

pp 2419–2422

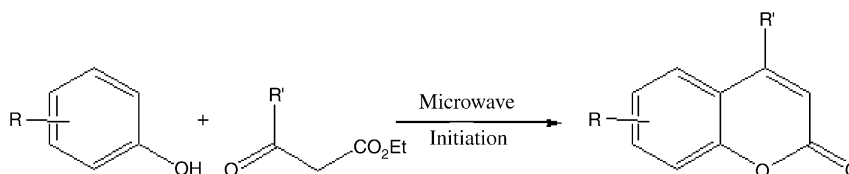
Christopher M. Vogels, Andreas Decken and Stephen A. Westcott*



Microwave initiated reactions: Pechmann coumarin synthesis, Biginelli reaction, and acylation

pp 2423–2425

Maghar S. Manhas, Subhendu N. Ganguly, Somdatta Mukherjee, Amit K. Jain and Ajay K. Bose*

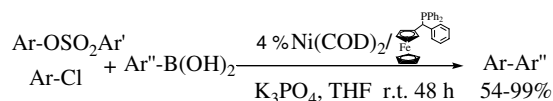


Coumarins were synthesized by a solvent-free energy-saving procedure.

Ferrocenylmethylphosphines as ligands for room temperature Ni(0)-catalyzed Suzuki–Miyaura cross-coupling reactions of aryl arenesulfonates and aryl chlorides

pp 2427–2430

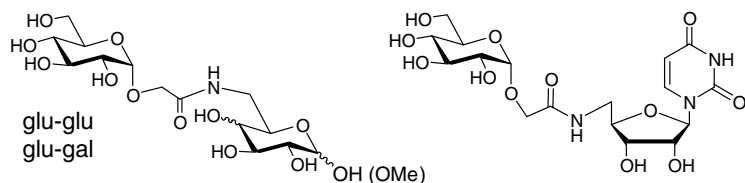
Zhen-Yu Tang, Stephen Spinella and Qiao-Sheng Hu*



Preparation of new amide-linked pseudodisaccharides by the carboxymethylglycoside lactone (CMGL) strategy

pp 2431–2434

Alexandra Le Chevalier, Ronan Pierre, Rami Kanso, Stéphane Chambert, Alain Doutheau and Yves Queneau*

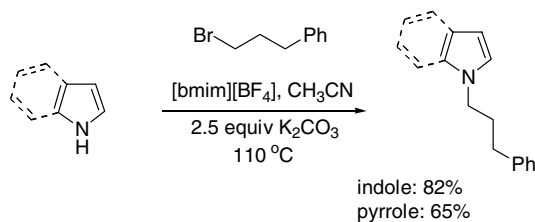


new amido-*pseudo*-disaccharides or -glyco-nucleoside conjugates

Potassium carbonate as a base for the N-alkylation of indole and pyrrole in ionic liquids

pp 2435–2438

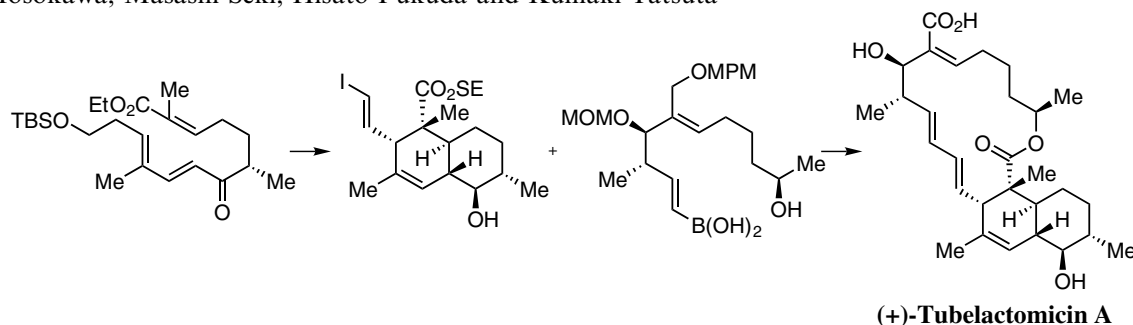
Yogesh R. Jorapur, Jae Min Jeong and Dae Yoon Chi*



Total synthesis of an antitubercular lactone antibiotic, (+)-tubelactomicin A

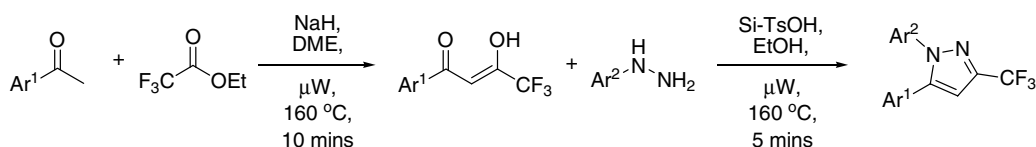
pp 2439–2442

Sejiro Hosokawa, Masashi Seki, Hisato Fukuda and Kuniaki Tatsuta*


Microwave-assisted synthesis utilizing supported reagents: a rapid and versatile synthesis of 1,5-diarylpiperazines

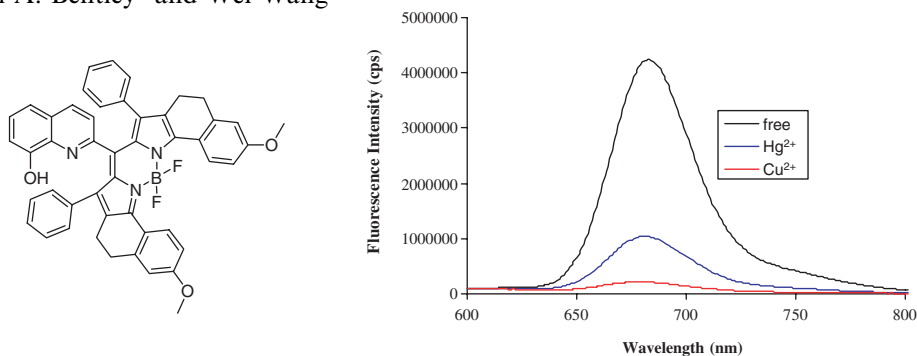
pp 2443–2446

Paul S. Humphries* and Jennifer M. Finefield


A selective and sensitive chemosensor for Cu²⁺ based on 8-hydroxyquinoline

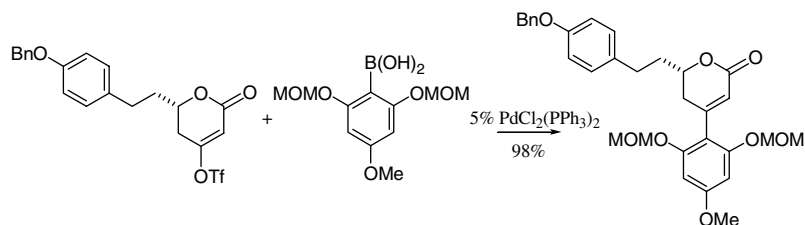
pp 2447–2449

Yujiang Mei, Paul A. Bentley* and Wei Wang


Suzuki coupling reactions of 2,4,6-trialkoxyphenylboronic acids with enol triflates: asymmetric synthesis of a lactone template for calyxin assemblage

pp 2451–2454

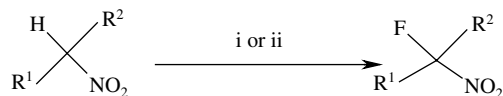
Sidika Polat Cakir and Keith T. Mead*



Sonochemical fluorination of heterocyclic nitro compounds with Selectfluor™ (F-TEDA-BF₄)

pp 2455–2457

Majid M. Sadeghi, Hossein Loghmani-Khouzani,* Reza Ranjbar-Karimi and Bernard T. Golding

Reagents and conditions: (i) DBU, Selectfluor, CH₂Cl₂, 4–6 h, rt; (ii) CH₃COONH₄, Selectfluor, CH₃OH, 10–15 min, rt.**OTHER CONTENTS****Calendar**

pp I–II

*Corresponding author

①⁺ Supplementary data available via ScienceDirectFull text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

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