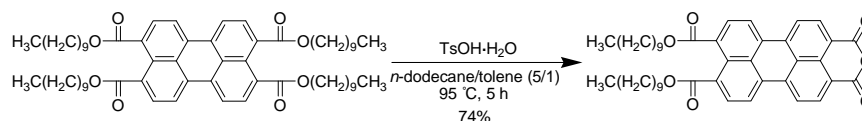


Tetrahedron Letters Vol. 50, No. 8, 2009

Contents

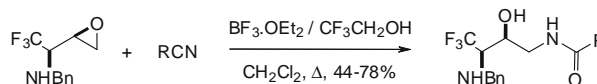
Perylene monoanhydride diester: a versatile intermediate for the synthesis of unsymmetrically substituted perylene tetracarboxylic derivatives pp 853–856

Chenming Xue, Runkun Sun, Rana Annab, Douha Abadi, Shi Jin *



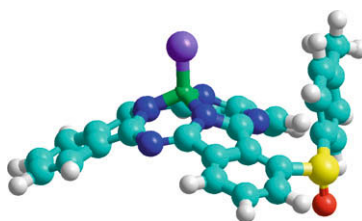
Improved Ritter reaction with CF₃-containing oxirane for an access to central units of protease inhibitors pp 857–859

Mickael Dos Santos, Benoit Crousse *, Danièle Bonnet-Delpon



A diastereoselective process induced in a curved aromatic molecule: oxidation of thioether-substituted subphthalocyanines pp 860–862

David González-Rodríguez, Tomás Torres *



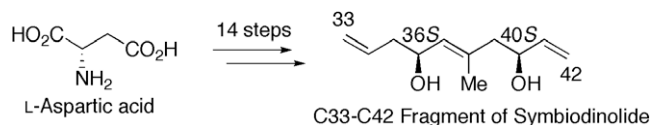
We describe the first observation of a diastereoselective reaction induced in the nonplanar, inherently chiral subphthalocyanine macrocycle.



Synthesis and structural determination of the C33–C42 fragment of symbiodinolide

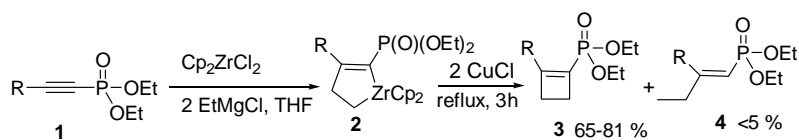
pp 863–866

Hiroyoshi Takamura *, Yuichiro Kadonaga, Yoshi Yamano, Chunguang Han, Yoko Aoyama, Isao Kadota *, Daisuke Uemura

**Direct formation of cyclobutenylphosphonates from 1-alkynylphosphonates and Cp₂ZrCl₂/2EtMgCl/2CuCl**

pp 867–869

Yulia Sinelnikove, Abraham Rubinstein, Morris Srebnik *, Abed Al Aziz Al Quntar *

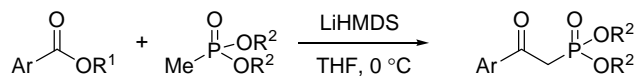


Zirconacycles **2** prepared from 1-alkynylphosphonates **1**, zirconocene dichloride, and 2 equiv of EtMgCl are smoothly converted into cyclobutenylphosphonates **3** when treated with two equiv of CuCl in 65–81% isolated yield.

A practical preparation of aryl β-ketophosphonates

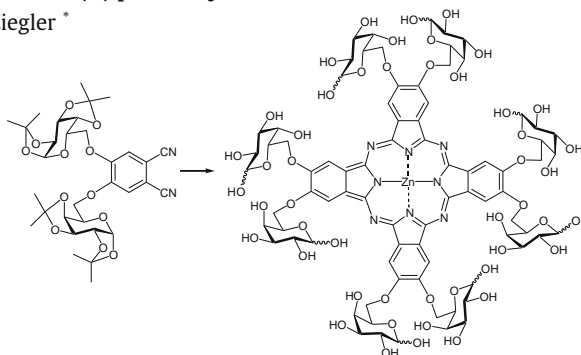
pp 870–872

Robert R. Milburn *, Ken McRae, Johann Chan, Jason Tedrow, Robert Larsen, Margaret Faul

**Synthesis of an octasubstituted galactose zinc(II) phthalocyanine**

pp 873–875

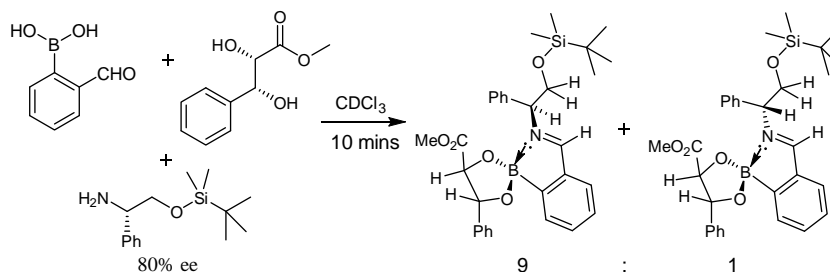
Zafar Iqbal, Michael Hanack *, Thomas Ziegler *



A simple chiral derivatisation protocol for ¹H NMR spectroscopic analysis of the enantiopurity of *O*-silyl-1,2-amino alcohols

pp 876–879

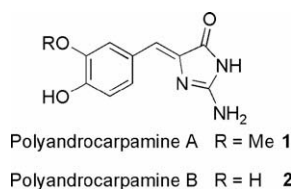
Magdalena E. Powell, Andrew M. Kelly, Steven D. Bull ^{*}, Tony D. James ^{*}



A microwave-assisted stereoselective synthesis of polyandrocarpamines A and B

pp 880–882

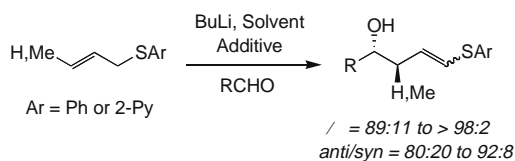
Rohan A. Davis ^{*}, Paul S. Baron, Juliette E. Neve, Carleen Cullinane



Regio- and diastereoselective addition of allylic thioethers to aldehydes

pp 883–885

Diego Gamba-Sanchez, Raphaël Oriez, Joëlle Prunet ^{*}

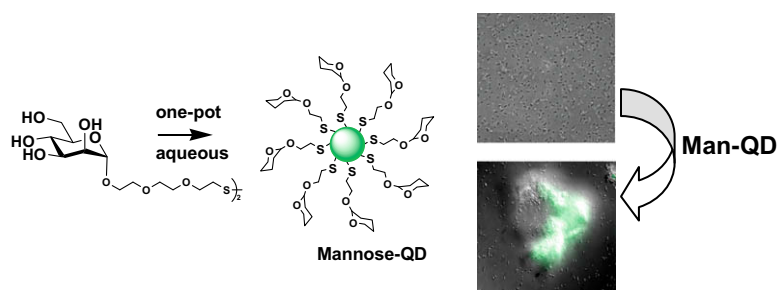


We have developed a regioselective allylation and a regio- and diastereoselective crotylation of aldehydes with pyridin-2-yl sulfides. In the process, we have also optimized the diastereoselectivity of the addition of crotyl phenyl sulfide to aldehydes.

Bacterial detection using carbohydrate-functionalised CdS quantum dots: a model study exploiting *E. coli* recognition of mannosides

pp 886–889

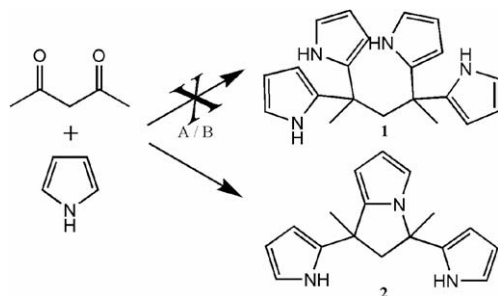
Balaram Mukhopadhyay ^{*}, Maristela B. Martins, Rositsa Karamanska, David A. Russell, Robert A. Field ^{*}



Unusual ring annulation during condensation of acetylacetone with pyrrole

pp 890–892

Sanjeev P. Mahanta, Pradeepta K. Panda *

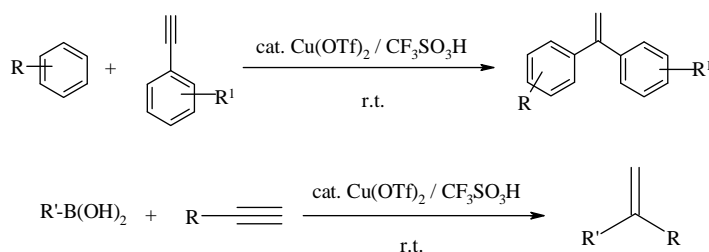


During acid-catalyzed condensation of acetylacetone with pyrrole, an unexpected ring annulation led to the formation of 2,3-dihydropyrrolizine-bridged bipyrrole.

**Synthesis of 1,1-diaryl ethylenes by Cu-catalyzed arene C–H addition to aryl acetylenes**

pp 893–896

Sachin V. Bhilare, Nitin B. Darvatkar, Amol R. Deorukhkar, Dilip G. Raut, Girish K. Trivedi, Manikrao M. Salunkhe *

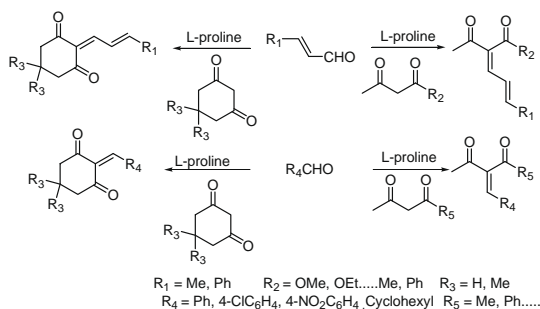


An unprecedented copper-catalyzed C–H addition of arenes to aryl acetylenes provides a facile route to 1,1-diaryl ethylenes in moderate to excellent yields. Arylboronic acids were likewise used along with aryl acetylenes in generating 1,1-diaryl ethylene.

Efficient organocatalyzed solvent-free selective synthesis of conjugated enones

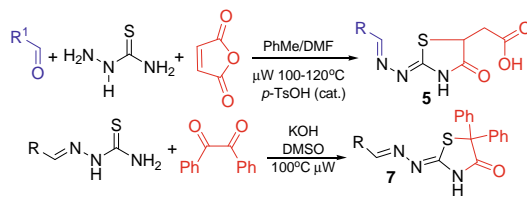
pp 897–900

Papori Goswami *, Babulal Das

**Microwave-assisted tandem reactions for the synthesis of 2-hydrazolyl-4-thiazolidinones**

pp 901–904

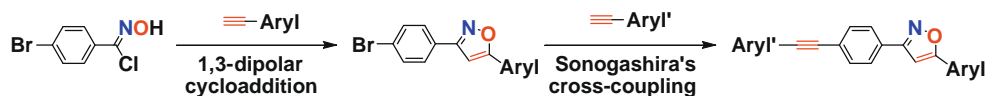
Cecilia Saiz, Chiara Pizzo, Eduardo Manta, Peter Wipf, S. Graciela Mahler *



Microwave-assisted tandem synthesis of 2-hydrazolyl-4-thiazolidinones **5** is described starting from commercially available aldehydes, maleic acid, and thiosemicarbazide. The novel 5,5-diphenyl-4-thiazolidinone **7** was obtained by reaction of thiosemicarbazide with benzil in basic media through a benzilic rearrangement.

1,3-Dipolar cycloaddition reaction applied to synthesis of new unsymmetric liquid crystal compounds-based isoxazole pp 905–908

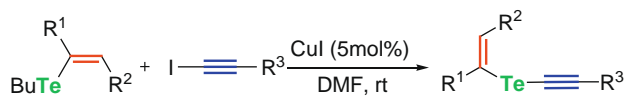
André A. Vieira, Fernando R. Bryk, Gilmar Conte, Adailton J. Bortoluzzi, Hugo Gallardo *



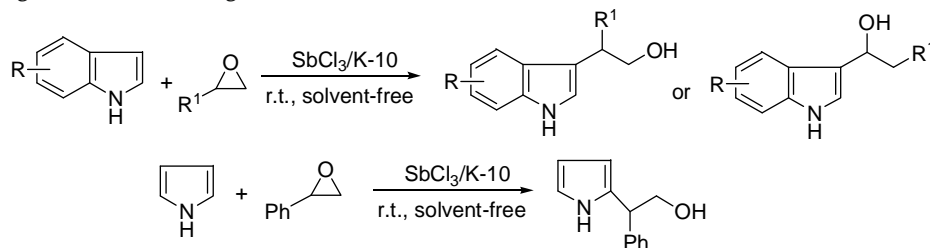
Herein is reported a regioselective, simple and versatile copper(I)-catalyzed procedure for preparation of a series of liquid crystals based on unsymmetrical 3,5-disubstituted isoxazole.

**Csp³-tellurium copper cross-coupling: synthesis of alkynyl tellurides a novel class of antidepressive-like compounds** pp 909–915

Afamefuna Elvis Okoronkwo, Benhur Godoi, Ricardo Frederico Schumacher, José Sebastião Santos Neto, Cristiane Luchese, Marina Prigol, Cristina Wayne Nogueira, Gilson Zeni *

**An efficient Friedel–Crafts alkylation of nitrogen heterocycles catalyzed by antimony trichloride/montmorillonite K-10** pp 916–921

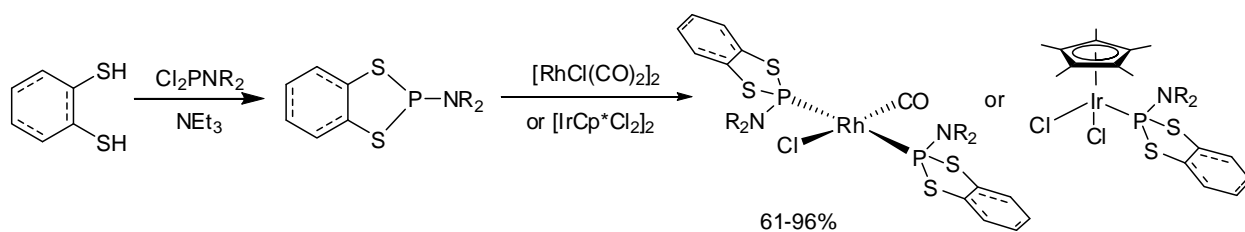
Yu-Heng Liu, Qiu-Shuang Liu, Zhan-Hui Zhang *



It has been found that SbCl₃ supported on montmorillonite K-10 is an efficient and reusable catalyst for Friedel–Crafts alkylation of nitrogen heterocycles such as indoles and pyrroles with epoxides. The reaction gives the corresponding C-alkylated derivatives in good to excellent yields with a high regioselectivity.

The coordination chemistry and reactivity of amino-dithiaphospholanes with rhodium, iridium, and ruthenium pp 922–925

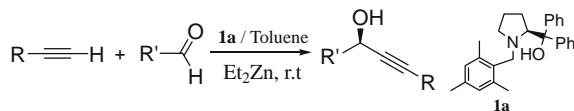
Stephen Costin, Sergey L. Sedinkin, Eike B. Bauer *



L-Proline-derived tertiary amino alcohol as a new chiral ligand for enantioselective alkynylation of aldehydes

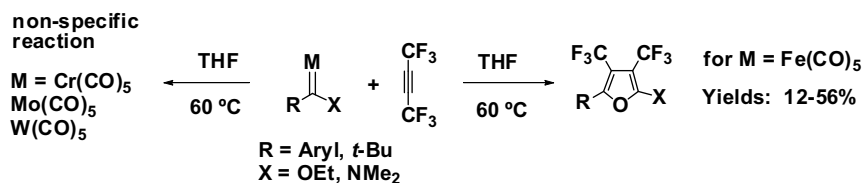
pp 926–929

Zhou Xu, Nan Wu, Zhenhua Ding, Ting Wang, Jincheng Mao, Yawen Zhang *

**Incorporation of hexafluorobutyne into furans or phenols via reaction with iron(0) carbene or vinylketene complexes**

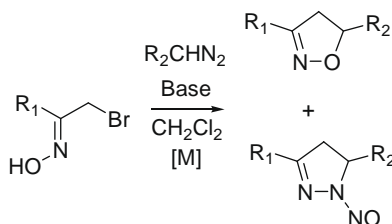
pp 930–932

Ravish K. Akhani, Atiq-ur-Rehman, Wayne F. K. Schnatter *

**Unprecedented formation of Δ²-isoxazoline and/or 1-nitroso-pyrazoline from α-bromoketone oximes and diazo compounds**

pp 933–935

Jianhua Guo *, John Gaudette, Jie-Fei Cheng *

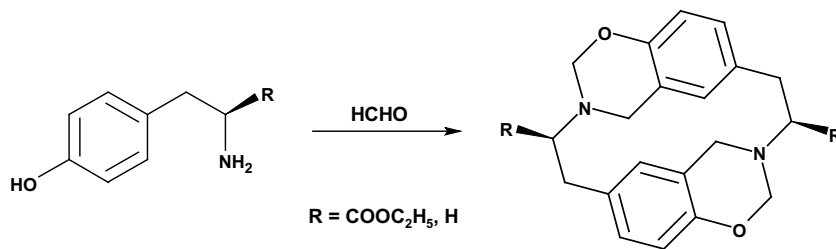


Reaction of α-bromoketone oximes with diazo compounds in the presence of a metal catalyst and base led to the unprecedented formation of two types of rings: Δ²-isoxazolines and 1-nitrosopyrazolines.

**One-step synthesis of a new heterocyclophane family**

pp 936–938

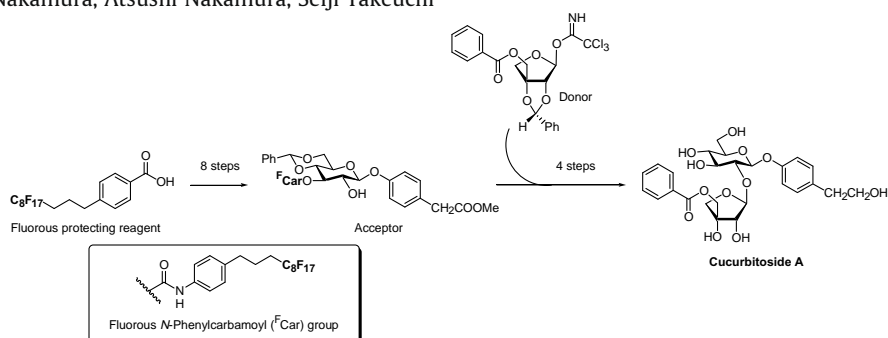
Rodolfo Quevedo *, Bárbara Moreno-Murillo



Total synthesis of cucurbitoside A using a novel fluoros protecting group

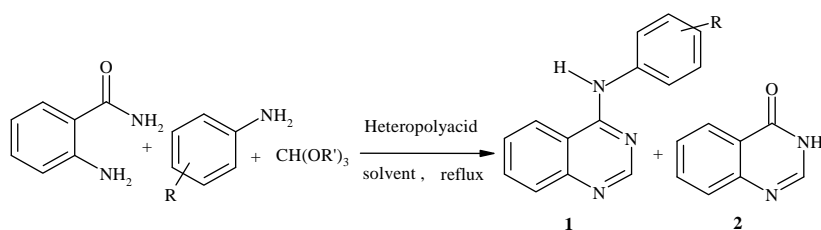
pp 939–942

Masaru Kojima, Yutaka Nakamura, Atsushi Nakamura, Seiji Takeuchi *

**A novel multi-component synthesis of 4-arylaminquinazolines**

pp 943–945

Majid M. Heravi *, Samaheh Sadjadi, Negar Mokhtari Haj, Hossein A. Oskooie, Rahim. Hekmat Shoar, Fatemeh F. Bamoharram

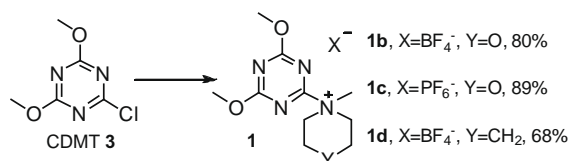


A new synthesis of 4-arylaminquinazolines from the reaction of 2-aminobenzamide, orthoesters, and substituted anilines in the presence of catalytic amounts of Keggin-type heteropolyacids is reported. The effects of reaction conditions and different heteropolyacids have been studied.

An improved process for the synthesis of DMTMM-based coupling reagents

pp 946–948

Steven A. Raw *

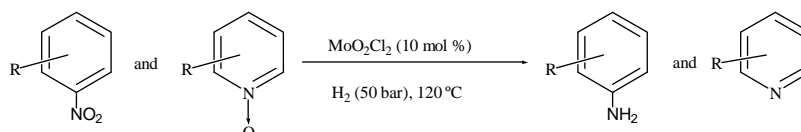


A new, simple, robust and high-yielding process for the preparation of 4-(4,6-dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium tetrafluoroborate (DMTMM BF₄) and hexafluorophosphate (DMTMM PF₆) has been developed.

Chemoselective hydrogenation of nitroarenes and deoxygenation of pyridine N-oxides with H₂ catalyzed by MoO₂Cl₂

pp 949–952

Patrícia M. Reis, Beatriz Royo *

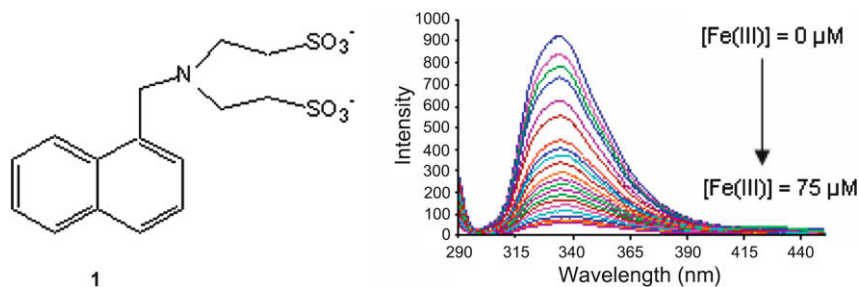


A chemoselective and highly efficient hydrogenation of nitroarenes and deoxygenation of pyridine N-oxides using a cheap and environmentally friendly H₂/MoO₂Cl₂ system has been developed.

A new fluorescent chemosensor for iron(III) based on the β -aminobisulfonate receptor

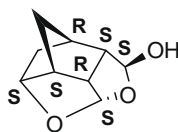
pp 953–956

Narinder Singh, Navneet Kaur, John Dunn, Martha MacKay, John F. Callan *

**Structural elucidation of daphniacetal A, a new oxa-cage compound isolated from *Daphniphyllum macropodum* Miq.**

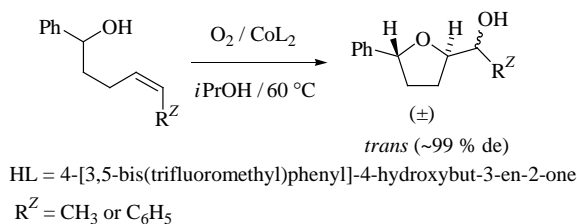
pp 957–959

Ning-Chuan Kong, Yu Zhang, Suo Gao, Yang Lu, Qi-Tai Zheng, Quan-Yun Sun, Fu-Mei Yang, Ying-Tong Di *, Xiao-Jiang Hao *

**Cobalt-catalyzed aerobic oxidation of (*E*)- and (*Z*)-bishomoallylic alcohols**

pp 960–962

Bárbara Menéndez Pérez, Jens Hartung *



*Corresponding author

Supplementary data available via ScienceDirect

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