

Tetrahedron Letters Vol. 50, No. 43, 2009

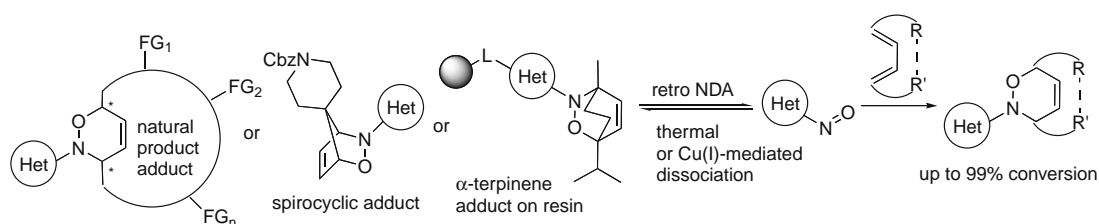
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COMMUNICATIONS

Retro iminonitroso Diels–Alder reactions: interconversion of nitroso cycloadducts

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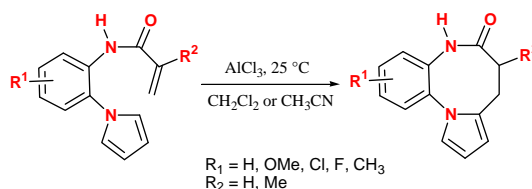
Baiyuan Yang, Weimin Lin, Viktor Krchnak, Marvin J. Miller *



A rapid and efficient synthesis of a new pyrrolobenzodiazocines via an intramolecular Friedel–Crafts reaction

pp 5884–5887

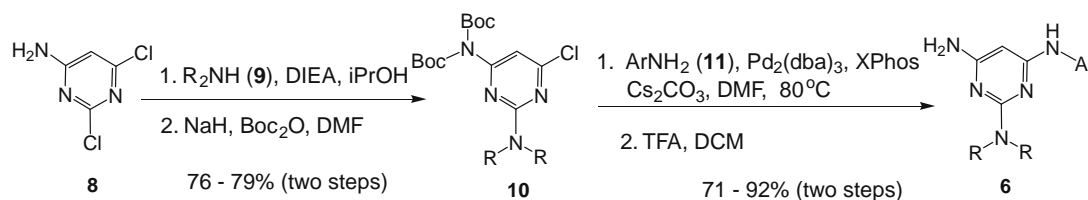
Samir BouzBouz *, Morgane Sanselme



A practical strategy for the synthesis of 2-dialkylamino-4-arylamino-6-aminopyrimidines

pp 5888–5893

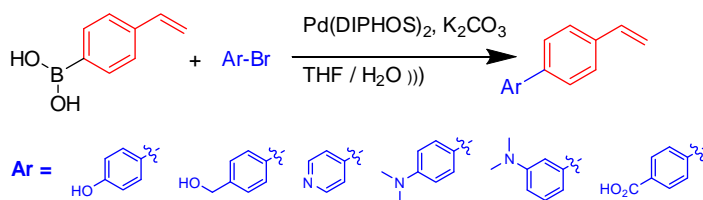
Chaomin Li *, Andrew Rosenau



Synthesis of biaryl-styrene monomers by microwave-assisted Suzuki coupling

pp 5894–5895

Hazit A. Zayas, Michael C. Bowyer, Christopher P. Gordon, Clovia I. Holdsworth, Adam McCluskey *

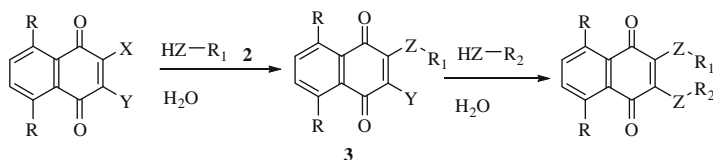


Microwave-assisted Suzuki coupling permits access to styrene-based biaryls with suppression of Heck and homo-coupling products.

'On water': unprecedented nucleophilic substitution and addition reactions with 1,4-quinones in aqueous suspension

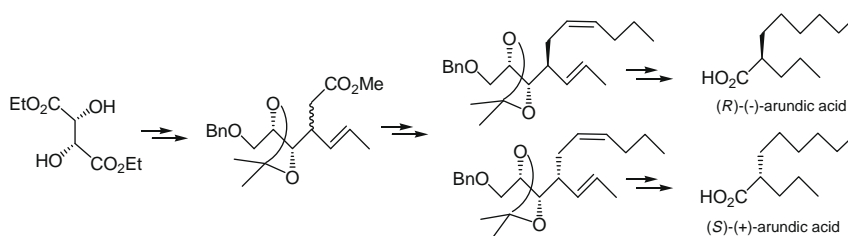
pp 5896–5902

Vishnu K. Tandon *, Hardesh K. Maurya

**A diethyltartrate-based synthesis of both (-)- and (+)-arundic acid**

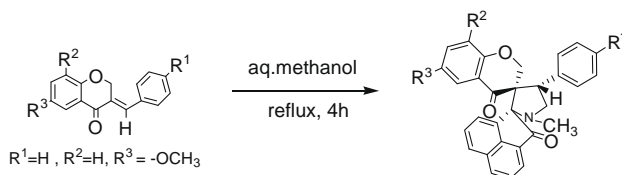
pp 5903–5905

Rodney A. Fernandes *, Abhinav Dhall, Arun B. Ingle

**A facile entry into a novel class of dispiroheterocyclic framework through 1,3-dipolarcycloaddition of azomethine ylides with 3-arylidene-4-chromanones as dipolarophiles**

pp 5906–5909

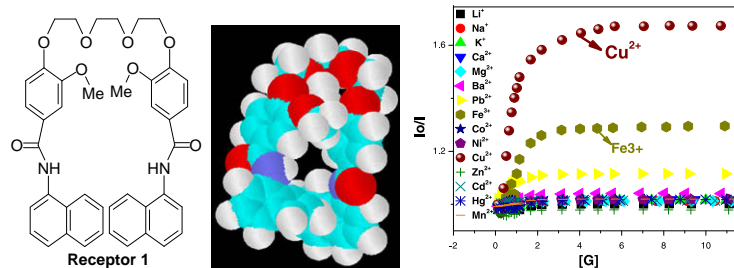
T. Augustine, Charles C. Kanakam, Scholastica Mary Vithiya, V. Ramkumar *



The 1,3-dipolar-cycloaddition reaction of azomethine ylides, generated through decarboxylation route, with (*E*)-3-arylidene-4-chromanones as dipolarophiles has been investigated. A new class of functionalized dispiroheterocyclic compounds bearing chromanone and acenaphthenequinone framework has been synthesized and the structures were established by spectroscopic techniques as well as single crystal X-ray analysis.

Fluorescence sensing of Cu²⁺ within a pseudo 18-crown-6 cavity

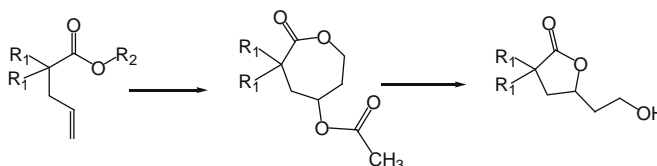
pp 5910–5913

Shyamaprosad Goswami^{*}, Rinku Chakrabarty

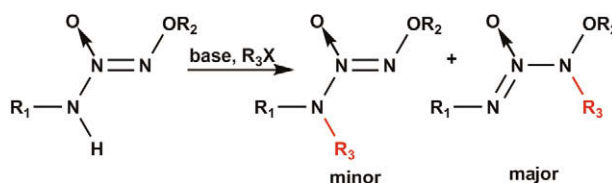
Pseudo-crown based receptor **1** has been designed and synthesized. The receptor **1** exhibits good sensitivity and selectivity towards copper cation over other cations such as Zn^{2+} , Pb^{2+} , Co^{2+} , Fe^{3+} , Ni^{2+} and alkali and alkaline earth metal cations [in acetonitrile–water (9:1 v/v)].

**A modified Prins reaction for the facile synthesis of structurally diverse substituted 5-(2-hydroxyethyl)-3,3-dihydrofurane-2(3H)-ones**

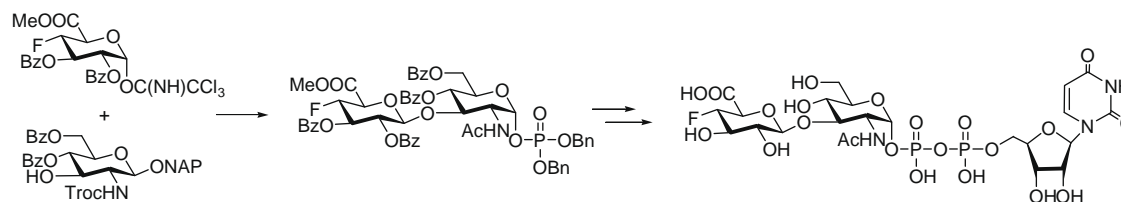
pp 5914–5916

Rong Gao, Daniel J. Canney^{*}**Primary amine diazeniumdiolate ions of structure $\{RNN(O)NOR\}^-$ as ambident nucleophiles**

pp 5917–5919

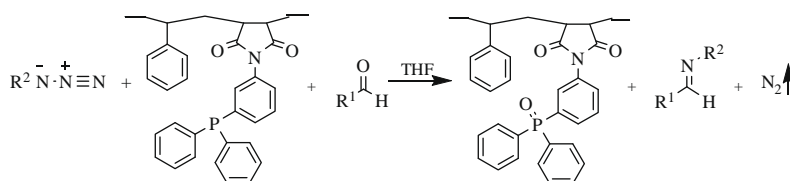
D. Scott Bohle^{*}, Larry K. Keefer, Joseph E. Saavedra**The first chemical synthesis of F-4-GlcA β (1 \rightarrow 3)GlcNAc-UDP with the potential of novel substrate and enzyme inhibitor for hyaluronic acid synthases (HASS)**

pp 5920–5922

Guohua Wei, Vipin Kumar, Jun Xue, Robert D. Locke, Khushi L. Matta^{*}

Staudinger/aza-Wittig reactions utilizing a novel linear polymer-supported triphenylphosphine as a modified liquid-phase reagent

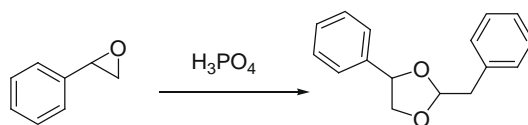
pp 5923–5926

Hossein Mahdavi^{*}, Javad Amani

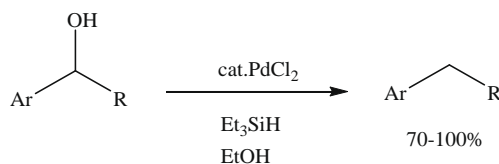
A new triphenylphosphine reagent linked to a linear maleimide-styrene copolymer is synthesized and is found to be effective for the formation of a variety of imines via the Staudinger/aza-Wittig reaction. This linear polymer-supported triphenylphosphine has a unique solubility behavior and provides for a simple means of purifying the desired imine from the phosphine oxide by-product. The reactivity of this polymeric reagent is superior to that of the cross-linked polymer-supported phosphine reagent.

An unexpected 1,2-hydride shift in phosphoric acid-promoted cyclodimerization of styrene oxides under solvent-free conditions. A synthetic route towards 2,4-disubstituted 1,3-dioxolanes

pp 5927–5929

Ofentse Mazimba, Runner R. Majinda, Ishmael B. Masesane^{*}
A simple and efficient hydrogenation of benzyl alcohols to methylene compounds using triethylsilane and a palladium catalyst

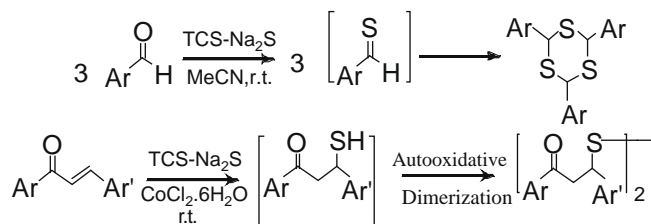
pp 5930–5932

Maryam Mirza-Aghayan^{*}, Rabah Boukherroub, Mahshid Rahimifard

Hydrogenolysis of benzyl alcohols using triethylsilane (Et_3SiH) and a catalytic amount of palladium(II) chloride (PdCl_2) is described. The reaction takes place under mild conditions affording high yields of the corresponding methylene compounds in short reaction times.

A new convenient procedure for the thionation of carbonyl compounds utilizing tetrachlorosilane–sodium sulfide

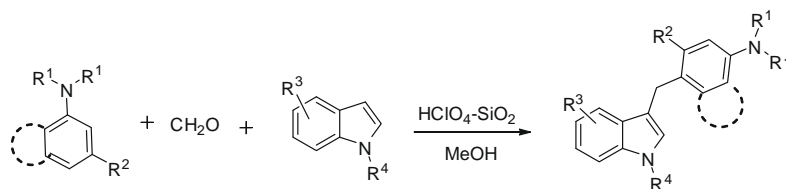
pp 5933–5936

Tarek A. Salama^{*}, Abdel-Aziz S. El-Ahl, Saad S. Elmorsy, Abdel-Galil M. Khalil, Mohamed A. Ismail

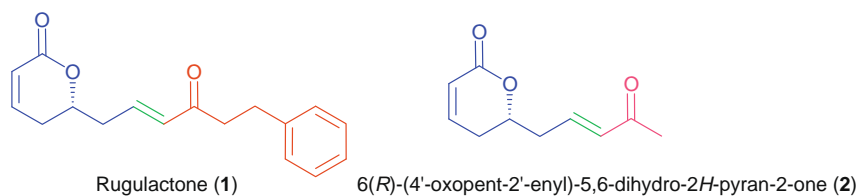
A combination of tetrachlorosilane (TCS) and sodium sulfide in acetonitrile is found to be an efficient thionating reagent for aromatic aldehydes in the absence of catalysis to give the corresponding thioaldehydes as trimers in good yields. Under cobalt(II) chloride catalysis, α,β -unsaturated ketones react with $\text{TCS-Na}_2\text{S}$ to give the respective disulfides in good yields via the intermediacy of β -mercaptoketones.

A novel multi-component reaction of indole, formaldehyde, and tertiary aromatic amines

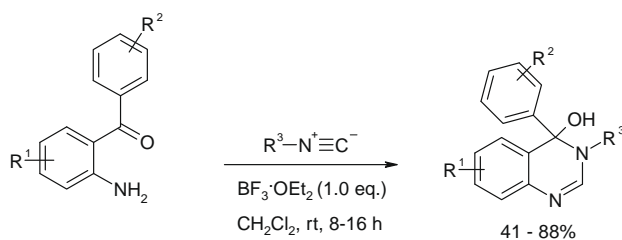
pp 5937–5940

Atul Kumar ^{*}, Siddharth Sharma, Ram Awatar Maurya**First total syntheses and absolute configuration of rugulactone and 6(R)-(4'-oxopent-2'-enyl)-5,6-dihydro-2H-pyran-2-one**

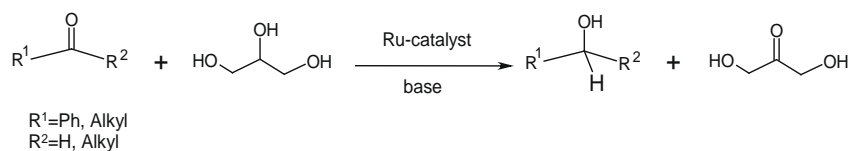
pp 5941–5944

Debendra K. Mohapatra ^{*}, Pragna P. Das, D. Sai Reddy, J. S. Yadav ^{*}**BF₃·OEt₂-promoted reaction of isocyanides with o-aminobenzophenones**

pp 5945–5950

Mikhail Krasavin ^{*}, Alina Busel, Vladislav Parchinsky**Glycerol as solvent and hydrogen donor in transfer hydrogenation–dehydrogenation reactions**

pp 5951–5953

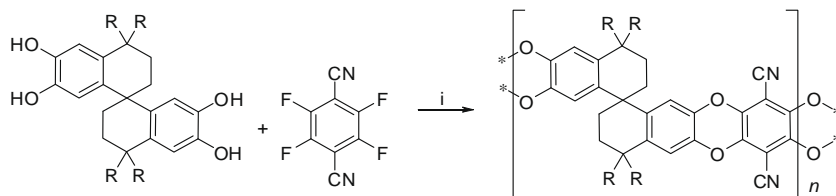
Adi Wolfson ^{*}, Christina Dlugy, Yoram Shotland, Dorith Tavor

Glycerol is employed successfully as a green solvent and hydrogen donor in catalytic transfer hydrogenation–dehydrogenation reactions. The glycerol donates hydrogen to various unsaturated organic compounds under mild reaction conditions and as a solvent, allows easy separation of products and catalyst recycling.

Novel polymers of intrinsic microporosity (PIMs) derived from 1,1-spiro-bis(1,2,3,4-tetrahydronaphthalene)-based monomers

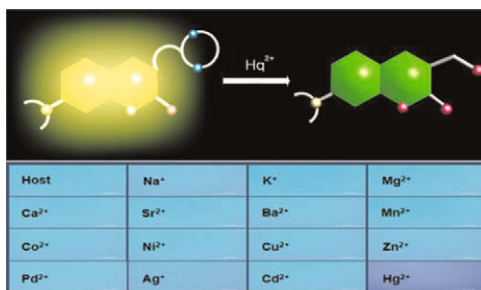
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Mariolino Carta, Kadhum J. Msayib, Neil B. McKeown *


Fluorescent coumarinyldithiane as a selective chemodosimeter for mercury(II) ion in aqueous solution

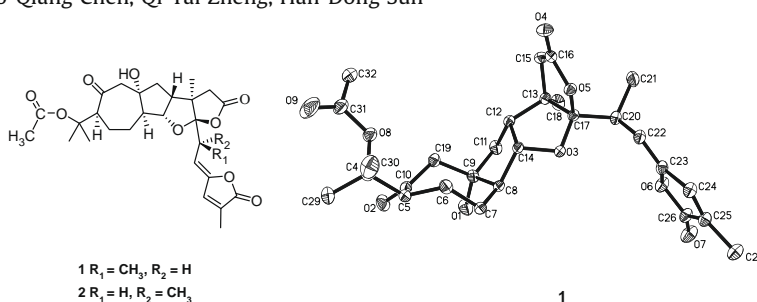
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Ja Hyung Kim, Hyun Jung Kim, Sang Hoon Kim, Jae Hong Lee, Jung Ho Do, Hae-Jo Kim *, Joung Hae Lee, Jong Seung Kim *


Schilancidilactones A and B: two novel tetranortriterpenoids with an unprecedented skeleton from *Schisandra lancifolia*

pp 5962–5964

Xiao Luo, Ying Chang, Xing-Jie Zhang, Jian-Xin Pu, Xue-Mei Gao, Ying-Li Wu, Rui-Rui Wang, Wei-Lie Xiao *, Yong-Tang Zheng, Yang Lu, Guo-Qiang Chen, Qi-Tai Zheng, Han-Dong Sun *



*Corresponding author

Supplementary data available via ScienceDirect

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