

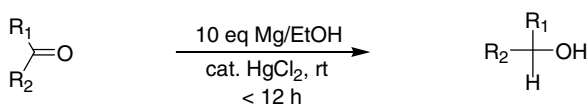
Tetrahedron Letters Vol. 47, No. 1, 2006

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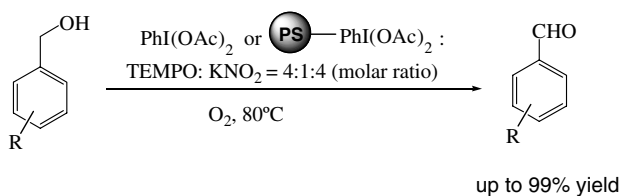
Reduction of ketones to corresponding alcohols with magnesium metal in absolute alcohols pp 9–12

Ji Young Kim, Hak Do Kim, Min Jung Seo, Hyoung Rae Kim, Zaesung No, Deok-Chan Ha and Ge Hyeong Lee*



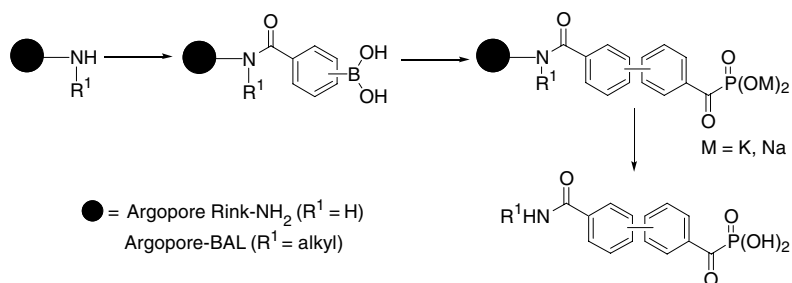
Catalytic oxidations of alcohols to carbonyl compounds by oxygen under solvent-free and transition-metal-free conditions pp 13–17

Clara I. Herrerías, Tony Y. Zhang and Chao-Jun Li*



A new and direct approach to functionalized biaryl α -ketophosphonic acids via aqueous Suzuki coupling on solid support pp 19–22

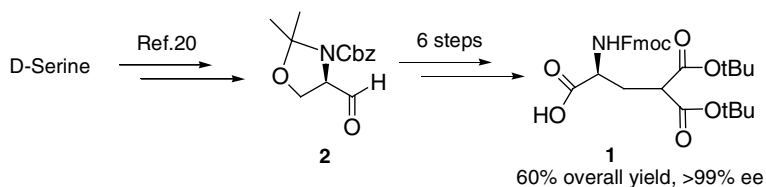
Xianfeng Li,* Anna Katrin Szardenings, Christopher P. Holmes, Liang Wang, Ashok Bhandari, Lihong Shi, Marc Navre, Larry Jang and J. Russell Grove



A practical synthesis of fully protected L- γ -carboxyglutamic acid

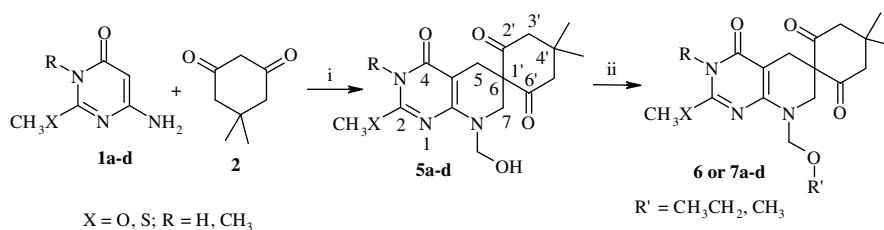
pp 23–25

Sheng Jiang, Christopher C. Lai, James A. Kelley and Peter P. Roller*

**Three-component synthesis of hexahydropyridopyrimidine–spirocyclohexanetriones induced by microwave**

pp 27–30

Jairo Quiroga,* Silvia Cruz, Braulio Insuasty, Rodrigo Abonía, Manuel Nogueras and Justo Cobo



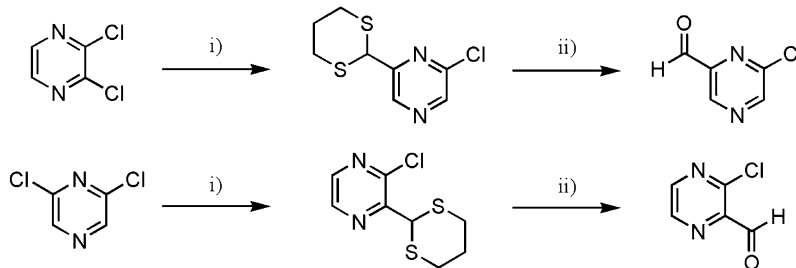
i) Excess of formaldehyde (37%) and microwave irradiation during 1–3 min.

ii) Reflux in absolute ethanol or methanol.

On the nucleophilic *tele*-substitution of dichloropyrazines by metallated dithianes

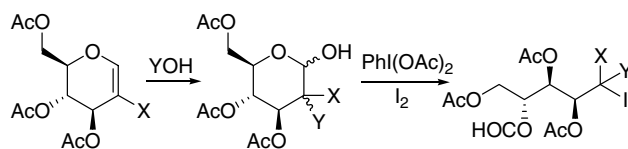
pp 31–34

Jane E. Torr, Jonathan M. Large, Peter N. Horton, Michael B. Hursthouse and Edward McDonald*

i) ⁿBuLi, 1,3-dithiane, THF, 0 °C; ii) MeI, CaCO₃, MeCN, H₂O, 60 °C**Synthesis and stability of mixed nonfluorinated 1,1,1-trihalo-alkanes**

pp 35–38

Cosme G. Francisco, Concepción C. González, Alan R. Kennedy, Nieves R. Paz and Ernesto Suárez*

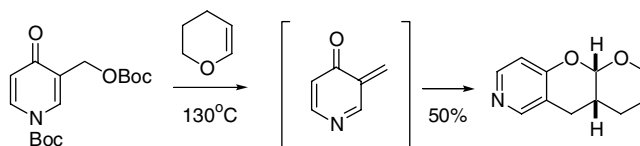


X = Cl, Br; Y = Cl, Br, I

Synthesis of substituted pyrano[3,2-*c*]pyridines via Diels–Alder reaction of 3-methylenepyridin-4-one

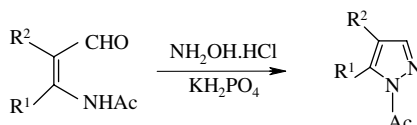
pp 39–41

Kirill Tchabanenko, Marcus G. O. Taylor, Robert M. Adlington and Jack E. Baldwin*

**Conjugate base catalysed one-pot synthesis of pyrazoles from β -formyl enamides**

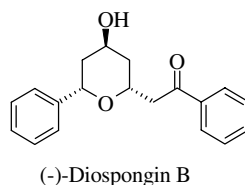
pp 43–46

Anil Saikia, Madan G. Barthakur, Moyurima Borthakur, Chandan J. Saikia, Utpal Bora and Romesh C. Boruah*

**First total synthesis of (–)-diospongins B**

pp 47–49

S. Chandrasekhar,* T. Shyamsunder, S. Jaya Prakash, A. Prabhakar and B. Jagadeesh

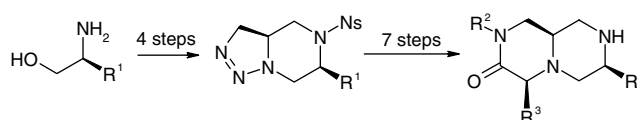


The first total synthesis of (–)-diospongins B has been achieved starting from benzaldehyde using a Keck asymmetric allylation, a base catalyzed conjugate addition of an α,β -unsaturated ester and an intramolecular oxy-Michael reaction as the key steps in 16% overall yield.

Novel approach to the synthesis of perhydropyrazino[1,2-*a*]pyrazine derivatives from amino alcohols

pp 51–54

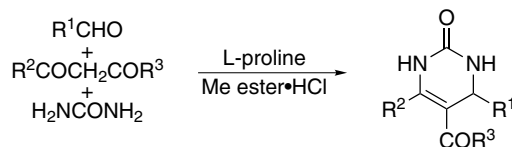
Tatyana V. Lukina, Sergey I. Sviridov,* Sergey V. Shorshnev, Grigory G. Aleksandrov and Aleksandr E. Stepanov



Studies on the Biginelli reaction: a mild and selective route to 3,4-dihydropyrimidin-2(1H)-ones via enamine intermediates

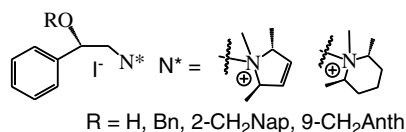
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John Mabry and Bruce Ganem*


Combining chiral elements in asymmetric phase-transfer catalysts: styrene oxide and chiral α,α -disubstituted pyrrolidine and piperidine derived structures

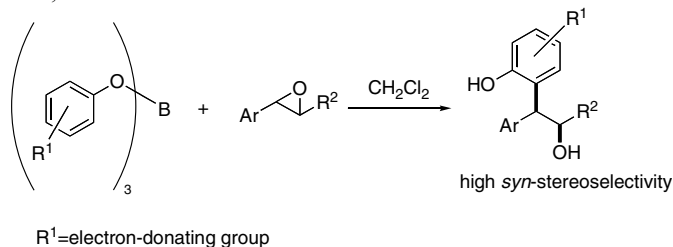
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Gregory N. Grover, Walter E. Kowtoniuk and Darren K. MacFarland*


A new regio- and stereoselective intermolecular Friedel–Crafts alkylation of phenolic substrates with aryl epoxides

pp 61–64

Ferruccio Bertolini, Paolo Crotti, Franco Macchia and Mauro Pineschi*

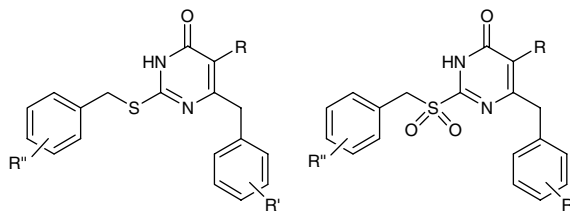


A new cross-coupling reaction of aryl borates with epoxyarenes under mild and neutral conditions without the need for metal catalyst is described.


Solution-phase parallel synthesis of S-DABO analogues

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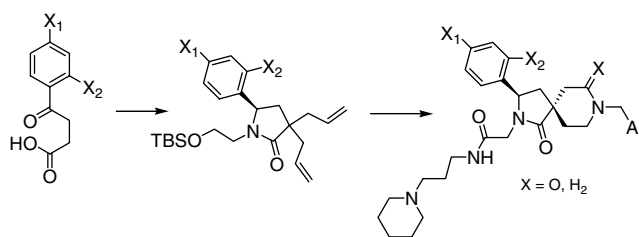
Andrea Togninelli, Caterina Carmi, Elena Petricci, Claudia Mugnaini, Silvio Massa, Federico Corelli and Maurizio Botta*



Synthesis of spirolactams and spiropiperidines as CCR4 receptor antagonists

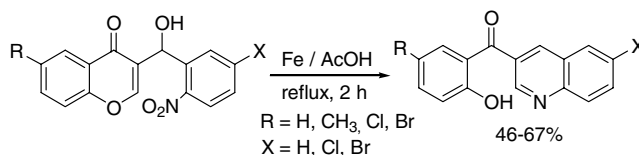
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Joshua D. Hansen,* Bradley J. Newhouse, Shelley Allen, Aaron Anderson, Todd Eary, Justin Schiro, John Gaudino, Ellen Laird, Andrew C. Allen, David Chantry, Christine Eberhardt and Laurence E. Burgess

**Applications of Baylis–Hillman adducts: a simple, convenient, and one-pot synthesis of 3-benzoylquinolines**

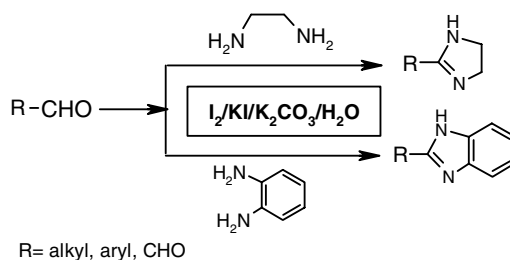
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Deevi Basavaiah,* Raju Jannapu Reddy and Jamjanam Srivardhana Rao

**An efficient and one-pot synthesis of imidazolines and benzimidazoles via anaerobic oxidation of carbon–nitrogen bonds in water**

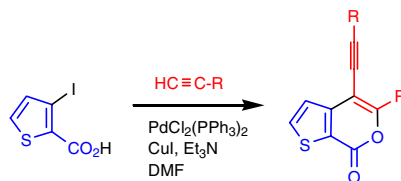
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Pranjal Gogoi and Dilip Konwar*

**Palladium-mediated synthesis of 5-substituted 4-alkynylthieno[2,3-c]pyran-7-ones**

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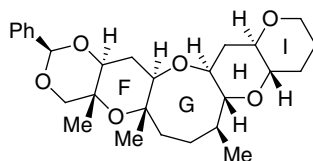
Sirisilla Raju, Venkateswara Rao Batchu, Nalivela Kumara Swamy, R. Vasu Dev, J. Moses Babu, P. Rajender Kumar, K. Mukkanti and Manojit Pal*



Convergent synthesis of the FGHI ring segment of yessotoxin

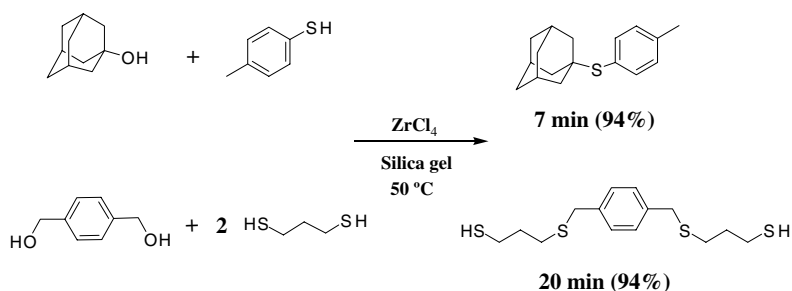
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Isao Kadota,* Hirokazu Ueno, Yuki Sato and Yoshinori Yamamoto

**ZrCl₄ dispersed on dry silica gel provides a useful reagent for S-alkylation of thiols with alcohols under solvent-free conditions**

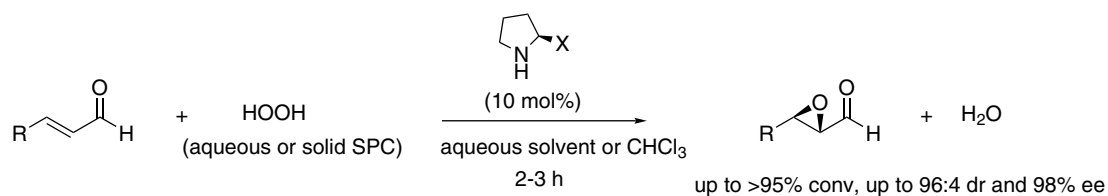
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Habib Firouzabadi,* Nasser Iranpoor* and Maasoumeh Jafarpour

**Direct organocatalytic asymmetric epoxidation of α,β -unsaturated aldehydes**

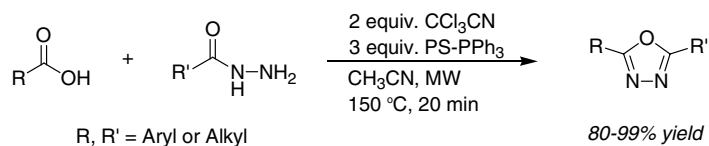
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Henrik Sundén, Ismail Ibrahim and Armando Córdova*

**A simple and efficient one step synthesis of 1,3,4-oxadiazoles utilizing polymer-supported reagents and microwave heating**

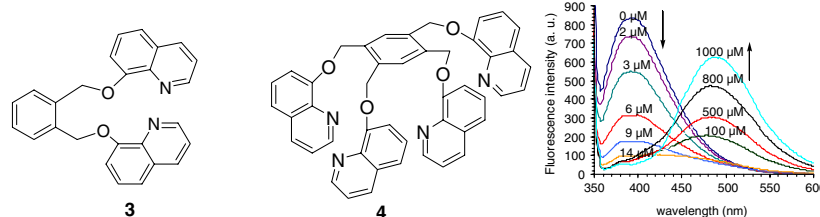
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Ying Wang,* Daryl R. Sauer and Stevan W. Djuric



A unique ‘ON–OFF–ON’ switch with two perturbations at two different concentrations of Ag⁺
 Prabhpreet Singh and Subodh Kumar*

pp 109–112

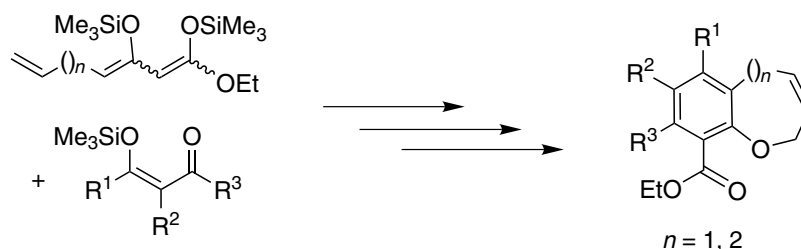


The sterically crowded 1,2-dipod **3** and 1,2,4,5-tetrapod **4** undergo fluorescence quenching (λ_{\max} 395 nm) with <1.0 equiv of Ag⁺ and fluorescence enhancement (λ_{\max} 500 nm) with >3 equiv of Ag⁺ and can be used for estimation of two different concentration ranges of Ag⁺.

Synthesis of 2,5-dihydrobenzo[*b*]oxepines and 5,6-dihydro-2*H*-benzo[*b*]oxocines based on a ‘[3+3] cyclization-olefin-metathesis’ strategy

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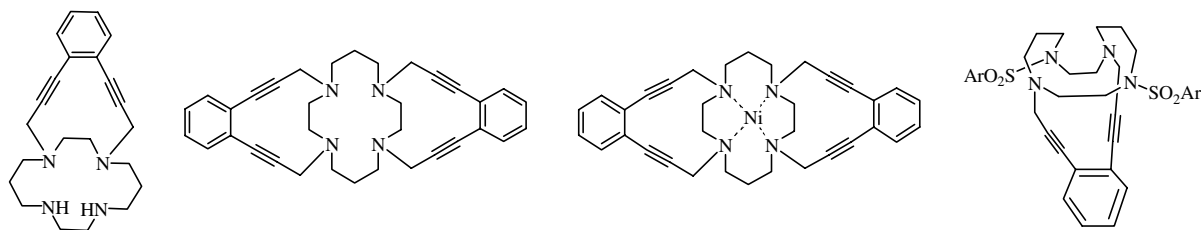
Van Thi Hong Nguyen, Esen Bellur and Peter Langer*



Synthesis and reactivity of cyclam-based enediynes

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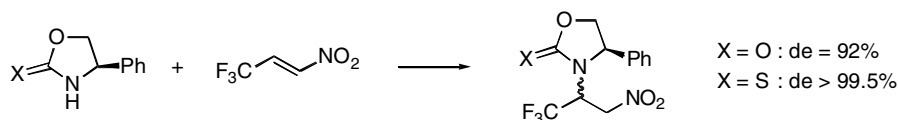
Moumita Kar, Amit Basak* and Manish Bhattacharjee



Stereoselective conjugate addition of nitrogen nucleophiles to 3,3,3-trifluoro-1-nitropropene

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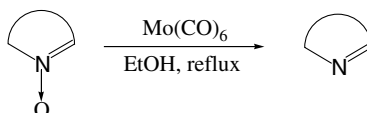
Joël Turconi, Luc Lebeau, Jean-Marc Paris and Charles Mioskowski*



A facile and efficient deoxygenation of amine-*N*-oxides with Mo(CO)₆

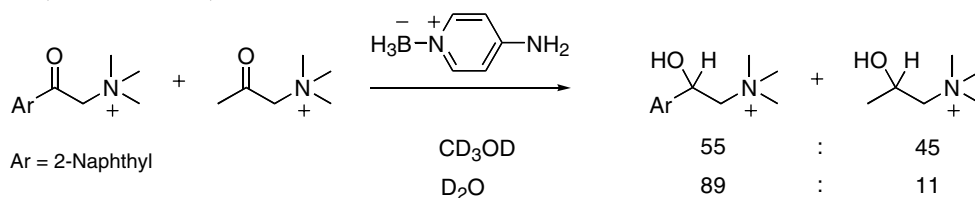
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Byung Woo Yoo,* Jin Woo Choi and Cheol Min Yoon

**Hydrophobically directed selective reduction of ketones using amine boranes**

pp 127–130

Christopher Uyeda, Mark Biscoe, Paul LePlae and Ronald Breslow*



Amine boranes bearing hydrophobic substituents were used to reduce aryl ketones in competition with a methyl ketone in a study of hydrophobically directed selective reductions. Several characteristics of the reducing agent were found to be important in determining the reaction selectivity, including available hydrocarbon surface area, degree of fluorination, and proximity of the hydrophobic group to the active hydrides.

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*Corresponding author

①⁺ Supplementary data available via ScienceDirect**CONTENTS
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