

Tetrahedron Letters Vol. 51, No. 6, 2010

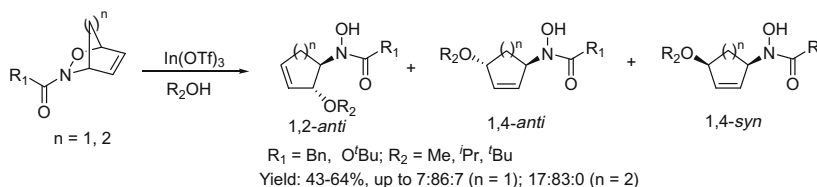
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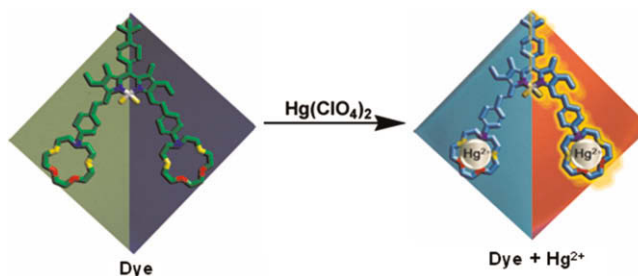
Baiyuan Yang, Marvin J. Miller *



A near IR di-styryl BODIPY based ratiometric fluorescent chemosensor for Hg(II)

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Serdar Atilgan *, Ilker Kutuk, Tugba Ozdemir



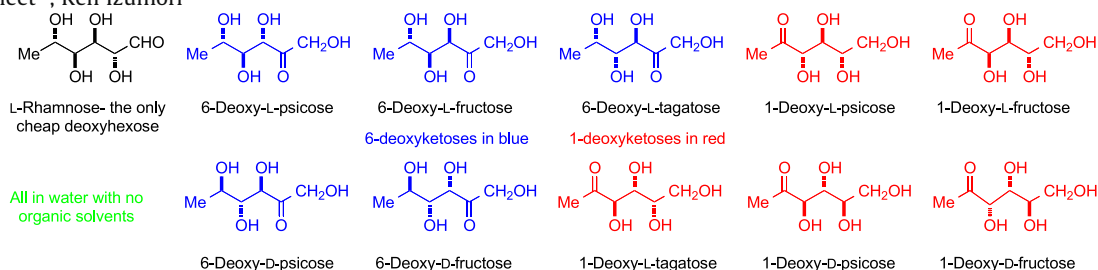
The photos on the left are taken under ambient light, and those on the right under UV illumination at 360 nm.



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Pushpakiran Gullapalli, Akihide Yoshihara, Kenji Morimoto, Devendar Rao, Kazuya Akimitsu, Sarah F. Jenkinson, George W. J. Fleet *, Ken Izumori *



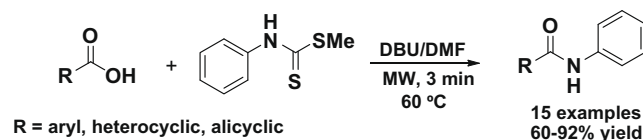
L-Rhamnose to ten of the sixteen 1- and 6-deoxy-ketohexoses by (i) Ni, H₂; (ii) *Enterobacter aerogenes* IK7; (iii) D-tagatose-3-epimerase.



Dithiocarbamate and DBU-promoted amide bond formation under microwave condition

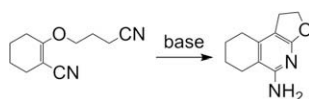
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Katari Naresh Kumar, Kintali Sreeramamurthy, Sadananda Palle, Khagga Mukkanti, Parthasarathi Das *

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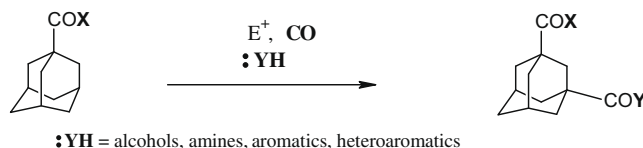
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Kensuke Okuda *, Norimasa Watanabe, Takashi Hirota, Kenji Sasaki *

**The first one-pot ‘alkane-like’ reactions of carbonyl-containing adamantanes**

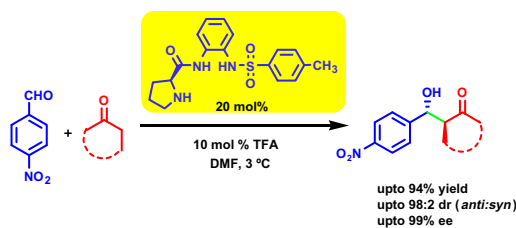
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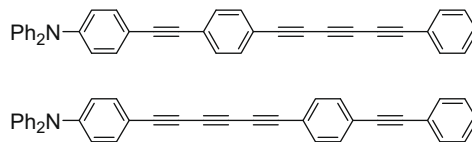
Satyajit Saha *, Jarugu Narasimha Moorthy *



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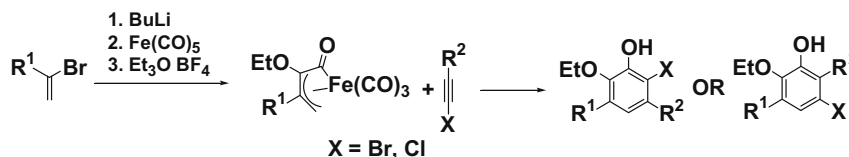
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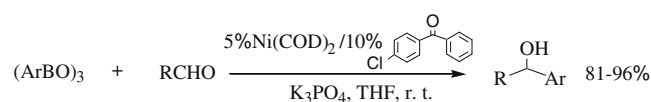
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$\text{Ni}(\text{COD})_2/4\text{-ClC}_6\text{H}_4\text{COR}$ -catalyzed addition reactions of arylboroxines with aldehydes

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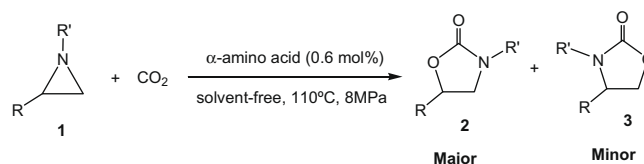
Chun-Hui Xing, Qiao-Sheng Hu^{*}



Naturally occurring α -amino acid: a simple and inexpensive catalyst for the selective synthesis of 5-aryl-2-oxazolidinones from CO_2 and aziridines under solvent-free conditions

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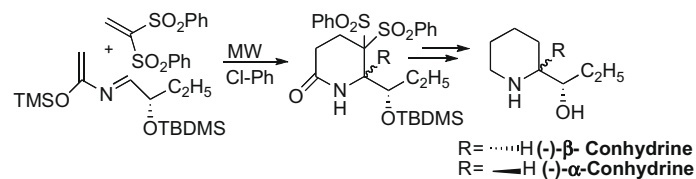
Huan-Feng Jiang^{*}, Jin-Wu Ye, Chao-Rong Qi, Liang-Bin Huang



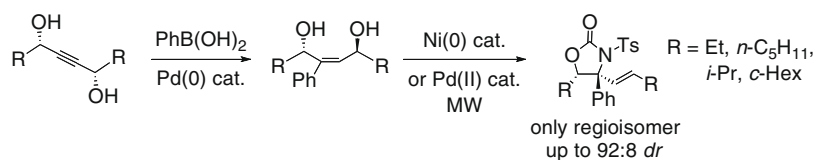
Naturally occurring α -amino acid successfully catalyzed cycloaddition of aziridine with carbon dioxide to afford 5-aryl-2-oxazolidinones under mild conditions without the need of any additives. The scope of this reaction is very general, providing the corresponding products in good yields and excellent regioselectivity (87:13–100:0) regardless of the α -amino acid examined and a wide variety of N-substituted aziridines employed. Two possible reaction pathways for the reaction were also discussed.

A straightforward synthesis of conhydrine by hetero Diels–Alder strategy mediated by microwaves

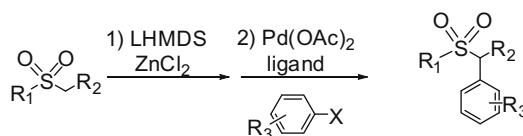
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Elisa Bandini^{*}, Giulia Corda, Antonio D'Aurizio, Mauro Panunzio^{*}**Regio- and stereoselective microwave-assisted synthesis of 5-alkyl-4-alkenyl-4-phenyl-1,3-oxazolidin-2-ones**

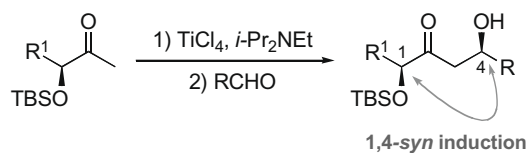
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Marta Amador, Xavier Ariza^{*}, Jérémie Boyer, Lucia D'Andrea, Jordi Garcia^{*}, Jaume Granell**Palladium-catalyzed Negishi α -arylation of alkylsulfones**

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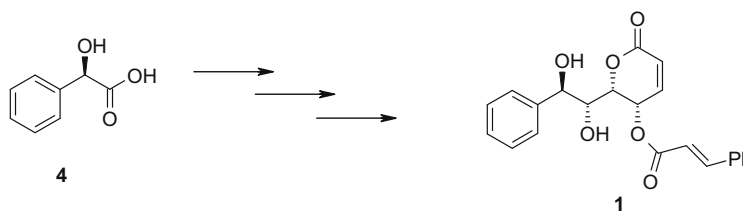
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Adriana Lorente, Miquel Pellicena, Pedro Romea^{*}, Fèlix Urpí^{*}

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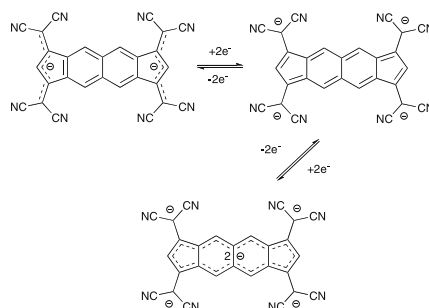
V. Shekhar, D. Kumar Reddy, V. Suresh, D. Chanti Babu, Y. Venkateswarlu *



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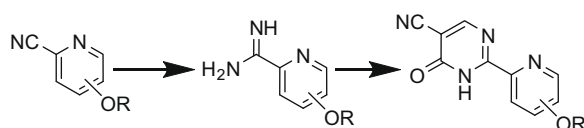
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Parallel synthesis enablement of 2-pyridyl-5-cyano-pyrimidine-6-ones—a novel class of HIF-hydroxylase inhibitors

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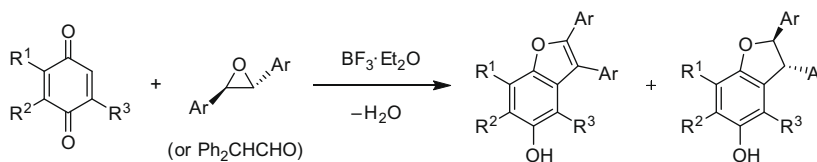
Shang-Poa Chang, William M. Hungerford, Wayne S. McDonald, Robert J. Maguire, Kelly Q. Malony, Chakrapani Subramanyam *



A new approach to benzofuran synthesis: Lewis acid mediated cycloaddition of benzoquinones with stilbene oxides

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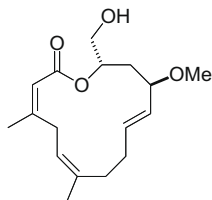
Ken Kokubo *, Kenji Harada, Eiko Mochizuki, Takumi Oshima *



Isolation and structure of koshikalide, a 14-membered macrolide from the marine cyanobacterium *Lyngbya* sp.

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Arihiro Iwasaki, Toshiaki Teruya, Kiyotake Suenaga *

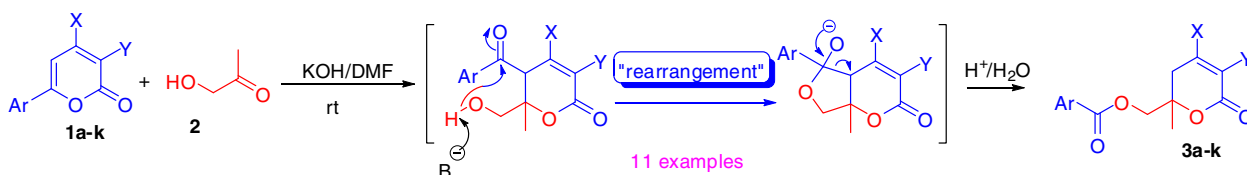


A 14-membered macrolide, koshikalide (1), was isolated from the marine cyanobacterium *Lyngbya* sp., and its relative stereostructure was elucidated by spectroscopic analysis.

Unprecedented 'ring transformation-rearrangement' of pyran-2-ones into 5,6-dihydropyran-2-ones through insertion of acetol

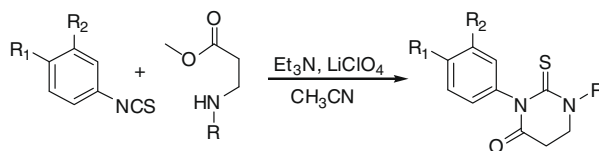
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Amit Kumar, Salil P. Singh, Deepti Verma, Ruchir Kant, Prakas R. Maulik, Atul Goel *

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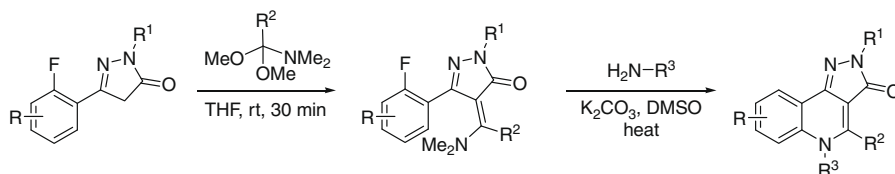
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Varun Kumar, Vipin A. Nair *

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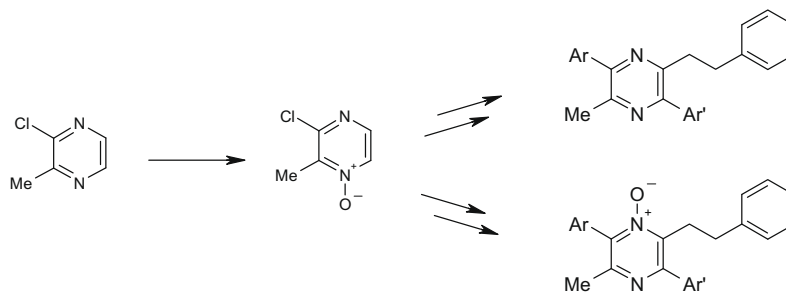
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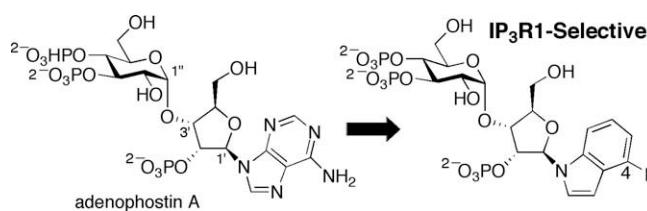


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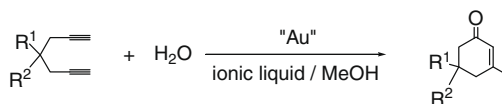
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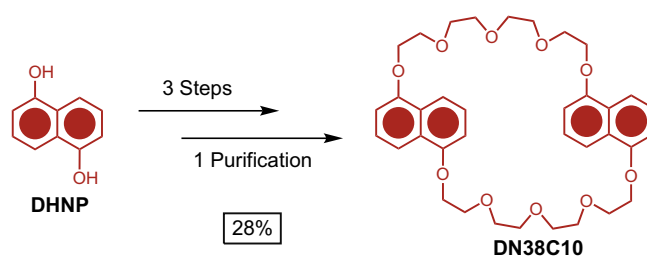
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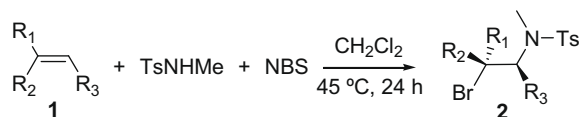
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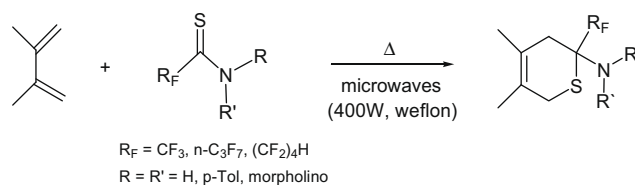
Carson J. Bruns, Subhadeep Basu, J. Fraser Stoddart^{*}

Catalyst-free aminobromination of alkenes with *N*-methyl-*p*-toluenesulfonamide as nitrogen resource

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Guangqian Zhang, Guanghui An, Jun Zheng, Yi Pan ^{*}, Guigen Li ^{*}A catalyst-free aminohalogenation system was reported with *N*-methyl-*p*-toluenesulfonamide as nitrogen resource.**First synthesis of 2-aminosubstituted-2-perfluoroalkyl-3,6-dihydro-2*H*-thiopyrans by hetero-Diels–Alder reactions of fluorinated thioamides under microwave heating**

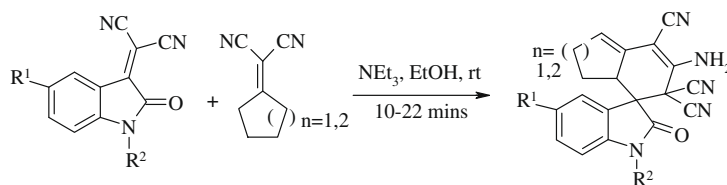
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Sergey S. Mikhailichenko, Jean-Philippe Bouillon ^{*}, Thierry Besson, Yuri. G. Shermolovich ^{*}

First examples of microwave-assisted hetero-Diels–Alder reactions of polyfluoroalkanethiocarboxylic acid amides and 2,3-dimethylbutadiene.

A novel method for the synthesis of functionalized spirocyclic oxindoles by one-pot tandem reaction of vinyl malonitriles with isatylidene malonitriles


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Thelagathoti Hari Babu, A. Abragam Joseph, D. Muralidharan, Paramasivan T. Perumal ^{*}**OTHER CONTENT**

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*Corresponding author

 Supplementary data available via ScienceDirect

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