

Vol. 55 • Issue 19 • 7 May 2014 • ISSN 0040-4039

Tetrahedron Letters

THE INTERNATIONAL JOURNAL FOR THE RAPID PUBLICATION OF ALL
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Tetrahedron Letters Vol. 55, Issue 19, 2014

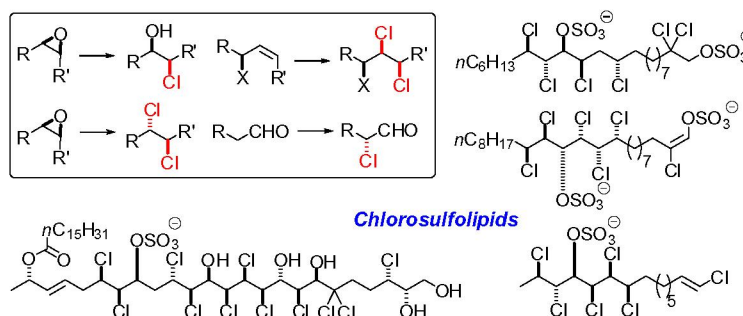
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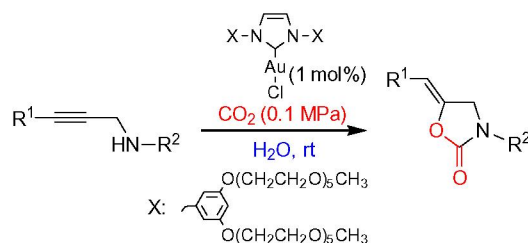


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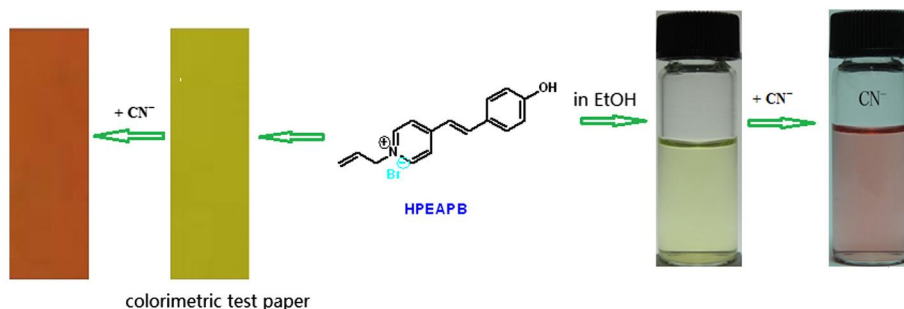
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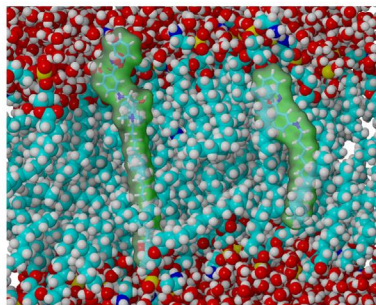
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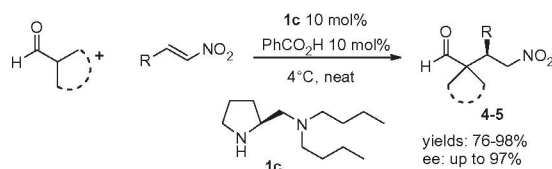
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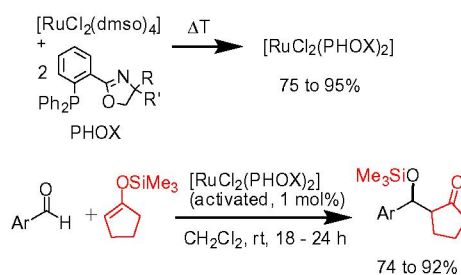
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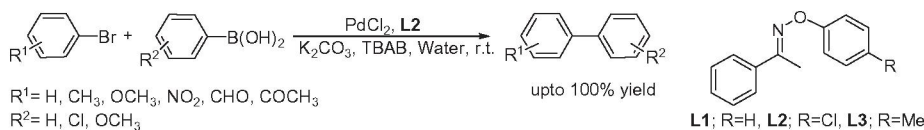
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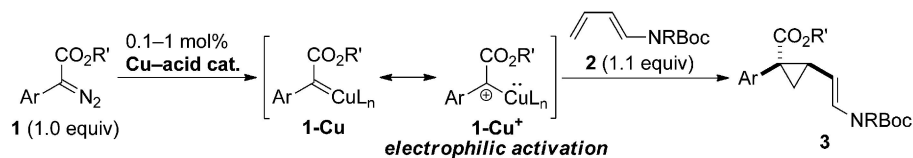
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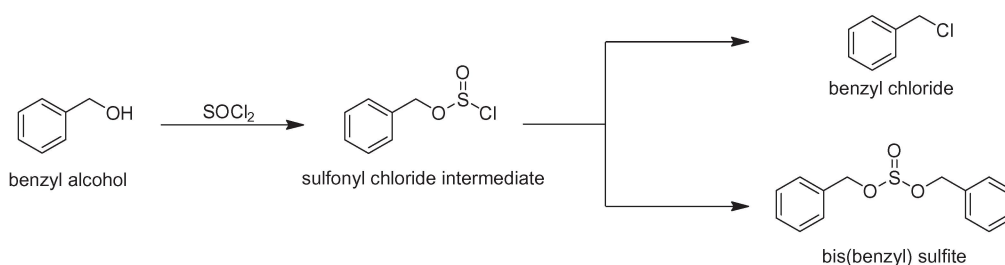
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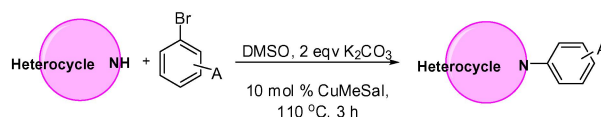
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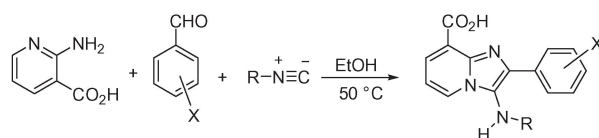
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Ghasem Marandi*, Lotfali Saghatforoush, Rafael Mendoza-Meroño, Santiago García-Granda



R: cyclohexyl, t-butyl

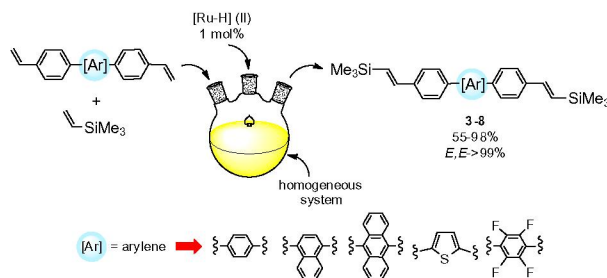
X: 4-methyl, 2-nitro, 3-nitro, 3-chloro



A highly stereoselective synthesis of new styryl- π -conjugate organosilicon compounds

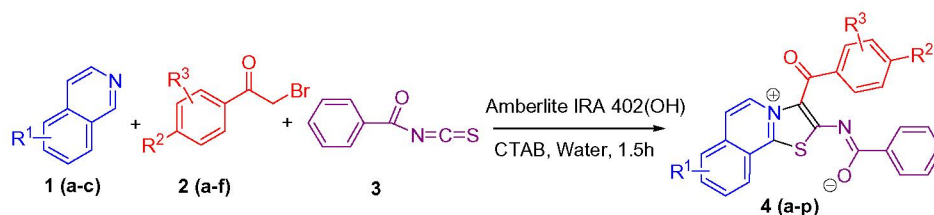
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Novel betaines/mesoionic compounds via a simple and convenient MCR in aqueous micellar system: synthesis of thiazolo[2,3-a]isoquinolin-4-ium derivatives

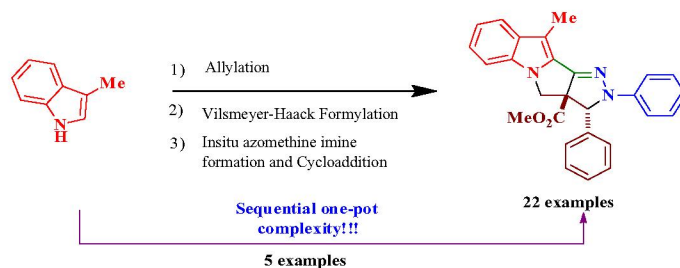
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Arindam Maity, Debanjana Chakraborty, Abhijit Hazra, Yogesh P. Bharitkar, Sandip Kundu, Prakas R. Maulik, Nirup B. Mondal*


Microwave-assisted facile synthesis of [a]-annulated pyrazolopyrroloindoles via intramolecular azomethine imine 1,3-dipolar cycloaddition

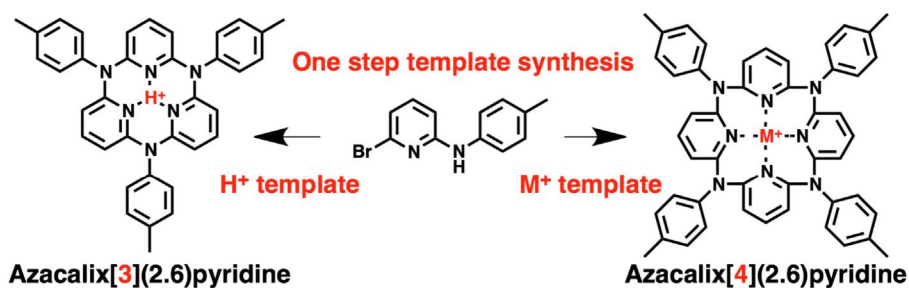
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Anand H. Shinde, Shinde Vidyacharan, Duddu S. Sharada*


Template-directed synthesis of macrocyclic aminopyridines: azacalix[n](2,6)pyridines (n = 3, 4)

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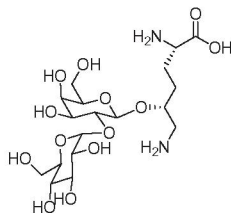
Natsuko Uchida, Ruoxi Zhi, Junpei Kuwabara, Takaki Kanbara*



Chemical synthesis of human adiponectin(19–107) bearing post-translational glycosylation

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Masayoshi Mochizuki, Misako Taichi, Hajime Hibino, Ayako Takuwa, Takuya Yoshida, Tadayasu Ohkubo, Yuji Nishiuchi*

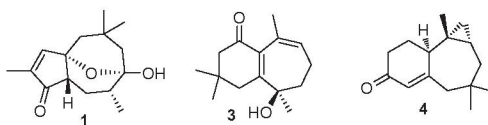


The chemical synthesis of human adiponectin(19–107), consisting of the variable region and the collagenous domain with glycosylated 5-hydroxylysine residues, was achieved for the first time by employing native chemical ligation and thioester methods.

Capillosananes S–Z, new sesquiterpenoids from the soft coral *Simularia capillosa*

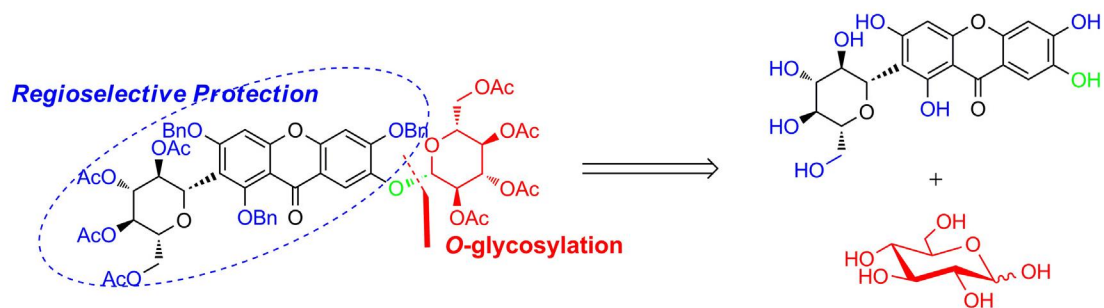
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Dawei Chen, Wei Cheng, Dong Liu, Leen van Ofwegen, Peter Proksch, Wenhan Lin*

**Semi-synthesis of neomangiferin from mangiferin**

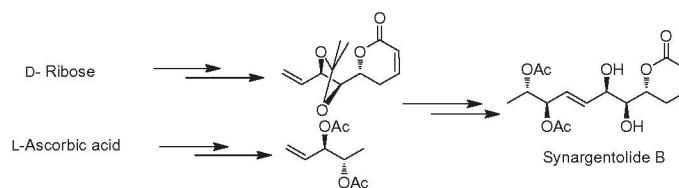
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**A convenient approach to total synthesis of synargentolide-B from L-ascorbic acid and D-ribose**

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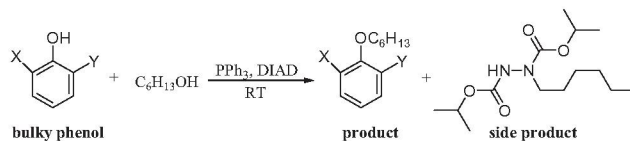
Saidulu Konda, K. Bhaskar, Lingaiah Nagarapu, Dattatray M. Akkewar*



Mitsunobu reactions of aliphatic alcohols and bulky phenols

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Dan Liu, Logan P. Sanow, Cheng Zhang*

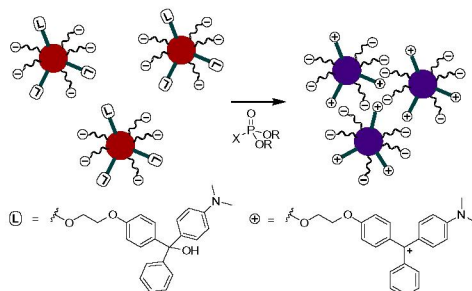


Alkylation of hydrazinedicarboxylate (a Mitsunobu by-product) could be a side reaction in Mitsunobu alkyl aryl etherification reactions. For most of such reactions in the literature, this side reaction is not a notable problem and good yields can be obtained with a wide range of solvents. However, this side reaction can cause yield reduction for the reactions of sterically hindered phenols and primary alcohols. To suppress the side reaction, solvent effect was studied and it was found that the yields are improved by using a weaker solvent (diethyl ether), instead of THF.

**Triarylcarbinol functionalized gold nanoparticles for the colorimetric detection of nerve agent simulants**

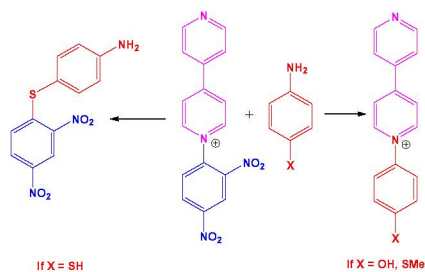
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Almudena Martí, Ana M. Costero, Pablo Gaviña*, Margarita Parra

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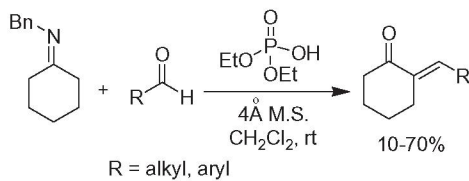
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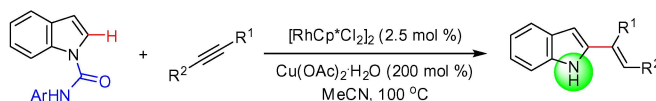
Lindsey O. Davis*, Marcella A. Putri, Caitlin L. Meyer, Christopher P. Durant



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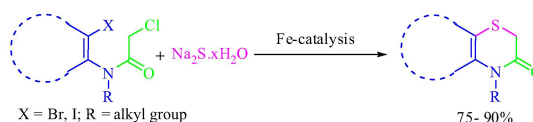
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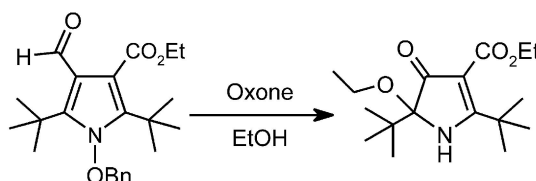
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K. C. Majumdar*, Debankan Ghosh

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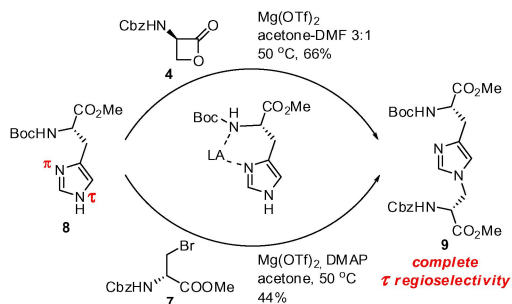
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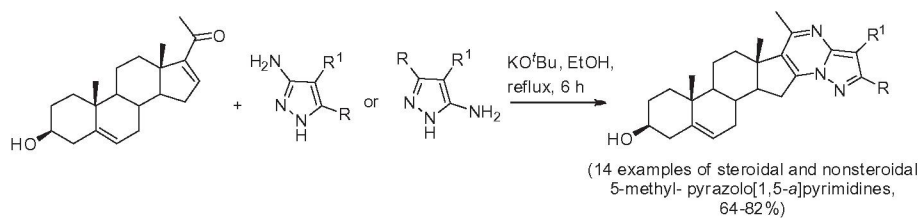
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A facile method for the synthesis of steroidal and nonsteroidal 5-methyl pyrazolo[1,5-a]pyrimidines

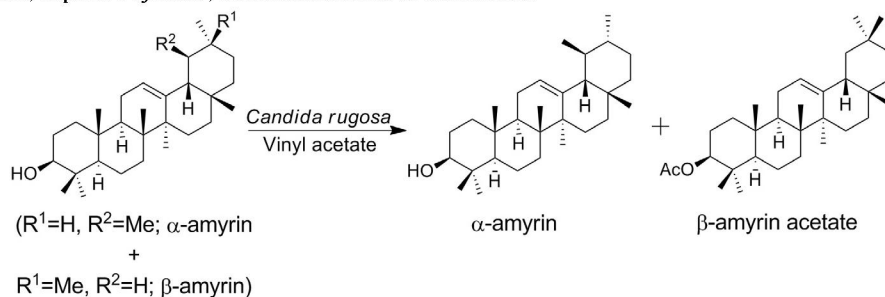
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Ezra G. Baraban, Jesse B. Morin, Gillian M. Phillips, Andrew J. Phillips, Scott A. Strobel, Jo Handelsman*

*Corresponding author

Supplementary data available via ScienceDirect

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®



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ISSN 0040-4039