

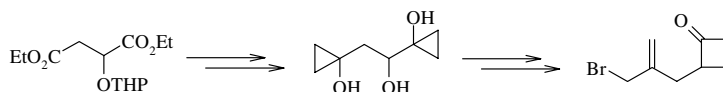
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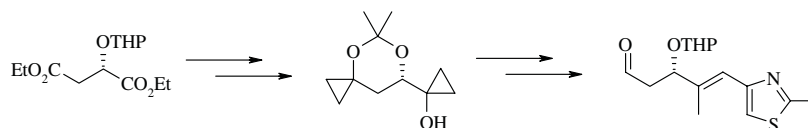
Andrei V. Bekish and Oleg G. Kulinkovich*



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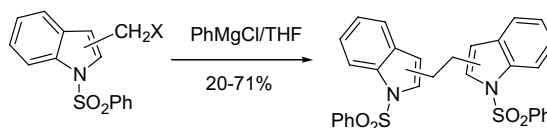
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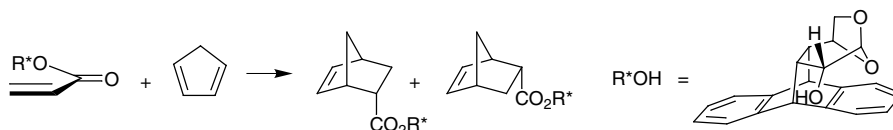
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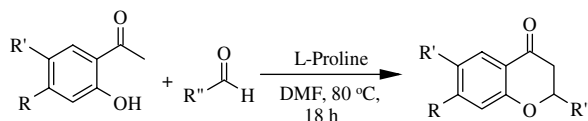
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**New synthesis of flavanones catalyzed by L-proline**

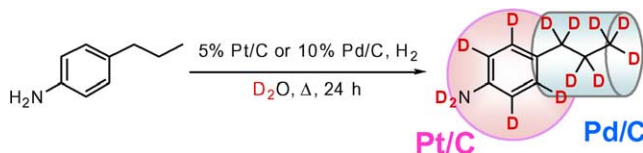
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**Aromatic ring favorable and efficient H–D exchange reaction catalyzed by Pt/C**

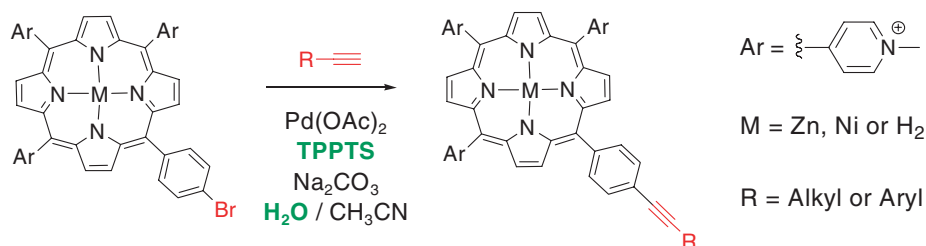
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**First example of a palladium catalyzed coupling reaction between cationic porphyrins and alkynyls in aqueous medium**

pp 6999–7002

Jean-Philippe Tremblay-Morin, Hasrat Ali and Johan E. van Lier*



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The chemical structure of BBP consists of two benzophenone units linked by their carbonyl groups. Each benzophenone unit is further substituted with a phenyl ring at the 2-position and a hydroxyboronic acid group at the 4-position. The hydroxyboronic acid group is shown as a boron atom bonded to two hydroxyl groups and the phenyl ring.

pp 7007–7009

8a n=3
8b n=4
8c n=5

12a-c

1



pp 7011–7014

(S,R,R,S) -2
 (S,R,S,R,R,S,R,S) -3
 4 $P = P \cdots BH_3$



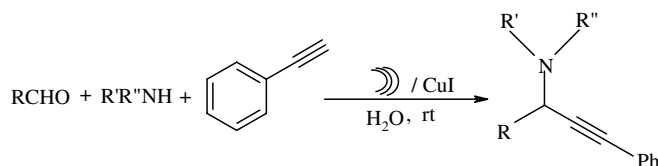
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CC[C@H](N)C(=O)N[C@@H]1CC[C@H](C(=O)N[C@@H](C1)C(=O)N[C@@H](Cc2ccc(cc2)CCCN(C)C(=O)CC[C@H]3SC[C@@H](C3=O)NC(=O)N)C(=O)N)C(=O)N

Ultrasound-assisted rapid and efficient synthesis of propargylamines

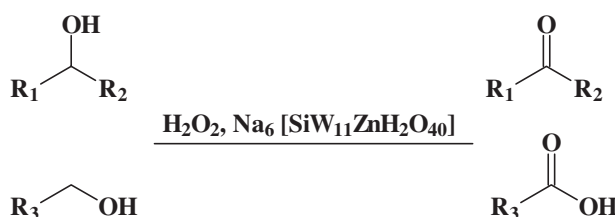
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B. Sreedhar,* P. Surendra Reddy, B. Veda Prakash and A. Ravindra

**Mono-substituted Keggin-polyoxometalate complexes as effective and recyclable catalyst for the oxidation of alcohols with hydrogen peroxide in biphasic system**

pp 7023–7027

Jianmin Wang, Liang Yan, Guixian Li, Xiaolai Wang,* Yong Ding and Jishuan Suo

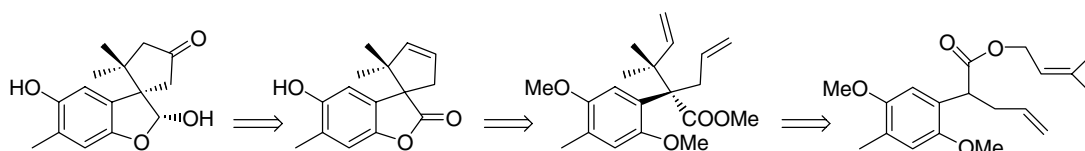


Mono-substituted Keggin-polyoxometalate complex $\text{Na}_6[\text{SiW}_{11}\text{ZnH}_2\text{O}_{40}] \cdot 12\text{H}_2\text{O}$ was demonstrated to be an effective water-soluble catalyst for the selective oxidation of alcohols in the presence of hydrogen peroxide as oxidant.

The first total synthesis of a bioactive metabolite, a spirobenzofuran isolated from the fungi *Acremonium* sp. HKI 0230

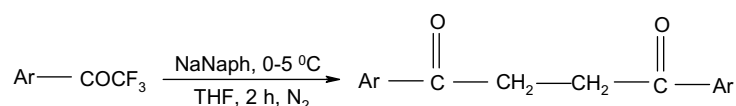
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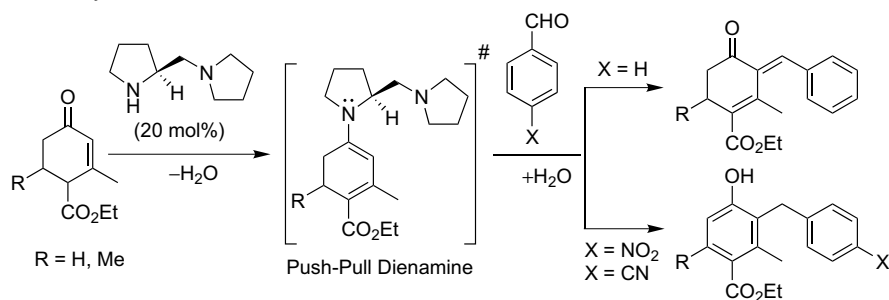
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Direct organocatalytic in situ generation of novel push–pull dienamines: application in tandem Claisen–Schmidt/iso-aromatization reactions

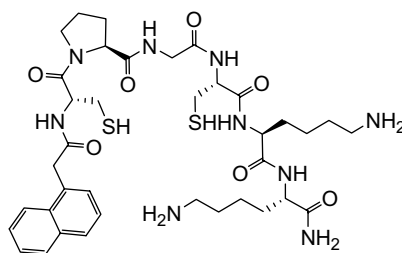
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Design, synthesis and evaluation of a fluorescent peptidyl sensor for the selective recognition of arsenite

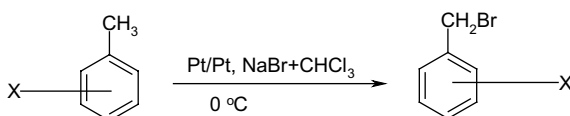
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Katy J. Parker, Sanjeev Kumar, Dierdre A. Pearce and Andrew J. Sutherland*

A peptidic motif for the selective recognition and detection of arsenite (As^{III}) has been developed.
A simple and regioselective α -bromination of alkyl aromatic compounds by two-phase electrolysis

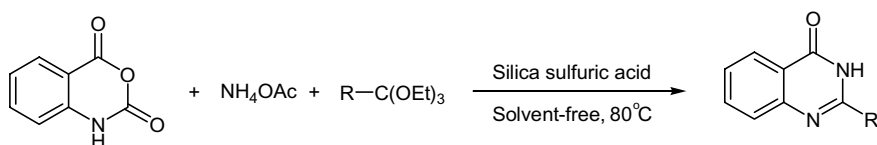
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T. Raju,* K. Kulangiappar, M. Anbu Kulandainathan and A. Muthukumar


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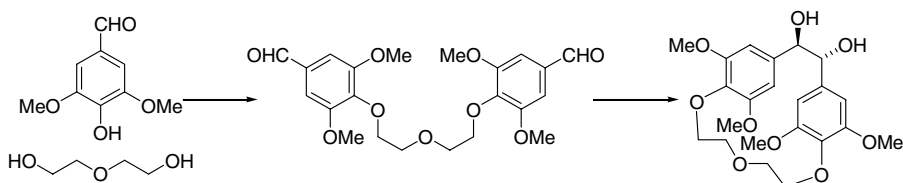
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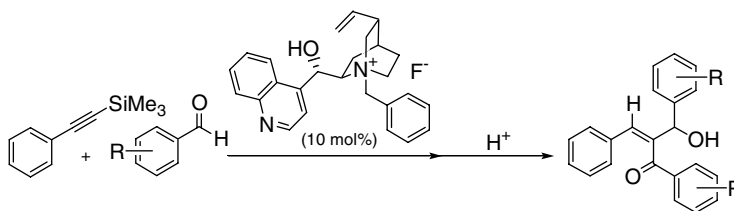
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**Synthesis of Morita–Baylis–Hillman-type adducts by unprecedented reaction of 1-phenyl-2-(trimethylsilyl)acetylene with aromatic aldehydes catalyzed by quaternary ammonium fluorides derived from cinchonine**

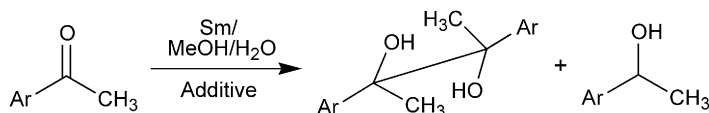
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Kazuhiro Yoshizawa* and Takayuki Shioiri

**Samarium-induced convenient reductive dimerization of aromatic ketones in aqueous methanol: a mechanistic approach**

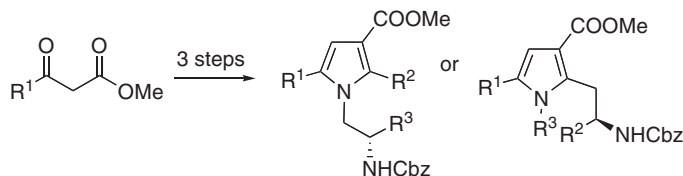
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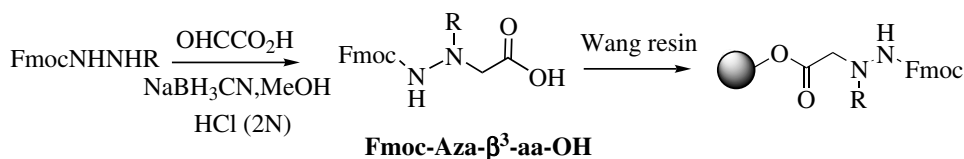
Maddalena Alongi, Giacomo Minetto and Maurizio Taddei*



Synthesis of Fmoc-protected aza- β^3 -amino acids via reductive amination of glyoxylic acid

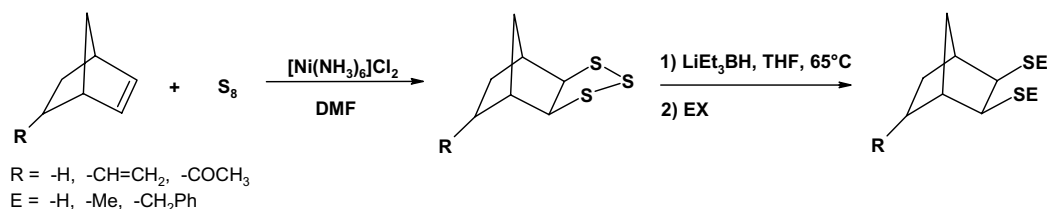
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Olivier Busnel, Lanrong Bi and Michèle Baudy-Floc'h*

**Conversion of norbornene derivatives into vicinal-dithioethers via S_8 activation**

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Sophie Poulain,* Sandy Julien and Elisabet Duñach

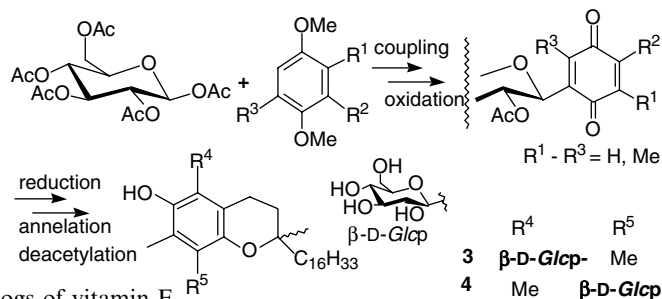


The nickel-catalysed sulfurisation of norbornene derivatives with elemental sulfur is a chemoselective and stereospecific reaction. The corresponding *exo*-trithiolanes can be reduced, leading to the corresponding vicinal-dithioethers.

C-Glycopyranosyl-1,4-benzoquinones and -hydroquinones opening access to C-glycosylated analogs of vitamin E

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Jean-Pierre Praly,* Li He, Bing Bing Qin, Marcelle Tanoh and Guo-Rong Chen



Synthesis of C-glycosylated analogs of vitamin E.




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*Corresponding author

* Supplementary data available via ScienceDirect

COVER

Optically active oligophosphines (*S,R,R,S*)-**2** and (*S,R,S,R,R,S,R,S*)-**3**, possessing four and eight chiral phosphorus atoms, were synthesized from chiral bidentate phosphine (*S,S*)-**1**. Octaphosphine (*S,R,S,R,R,S,R,S*)-**3** acquired the features of a polymer in contrast to (*S,S*)-**1** and (*S,R,R,S*)-**2**. The first access to the construction of the 12-phosphacrown-4 skeleton was also achieved. *Tetrahedron Letters* **2005**, 46, 7011–7014.

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