



Tetrahedron Vol. 64, No. 47, 2008

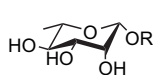
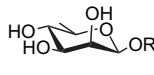
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REPORT

Challenges in the stereocontrolled syntheses of β -rhamnosides

pp 10631–10648

El Sayed H. El Ashry*, Nagwa Rashed, El Sayed I. Ibrahim

L-Rhamnoside
1,2-*cis* (β -linkage)D-Rhamnoside
1,2-*cis* (β -linkage)

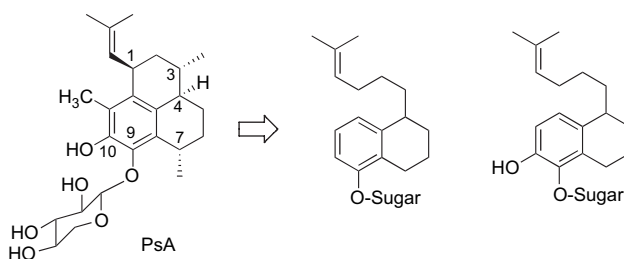
The stereocontrolled syntheses of the β (1,2-*cis*)-rhamnosides via inter- and intramolecular glycosidation reactions, reductive cleavage of 4,6-acetals, inversion of α -rhamnosidic linkages and modification of β -mannosides have been reviewed. The report contains 88 references.

ARTICLES

Synthesis and evaluation of the bioactivity of simplified analogs of the seco-pseudo-pterostins; progress toward determining a pharmacophore

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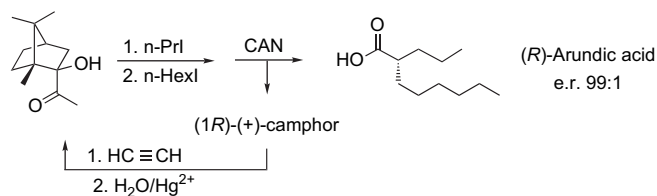
Virginia M. Tanis, Claudia Moya, R.S. Jacobs, R. Daniel Little*



A concise and efficient route to the Alzheimer's therapeutic agent (*R*)-arundic acid

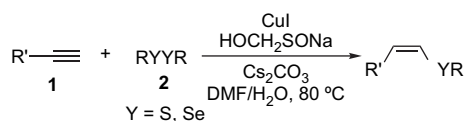
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Jesús M. García*, José M. Odriozola, Ainara Lecumberri, Jesús Razkin, Alberto González

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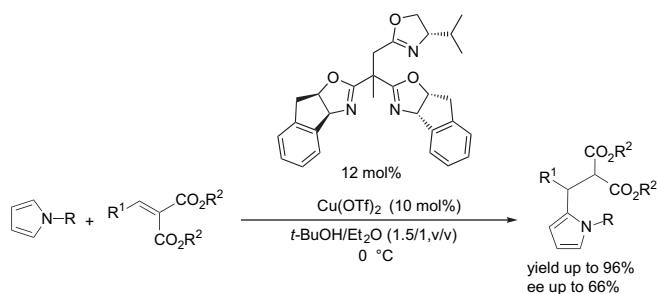
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**Cu(OTf)₂/trioxazoline catalyzed asymmetric Friedel–Crafts reaction of pyrroles with alkyldiene malonates**

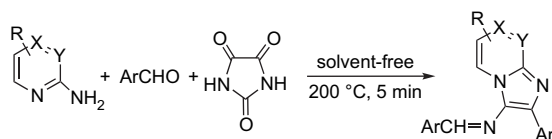
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Chun-Li Cao, You-Yun Zhou, Xiu-Li Sun, Yong Tang*

**A new, one-pot, multi-component synthesis of imines of 3-amino-2-arylimidazo[1,2-*a*]pyridines, 3-amino-2-arylimidazo[1,2-*a*]pyrazines, and 3-amino-2-arylimidazo[1,2-*a*]pyrimidines**

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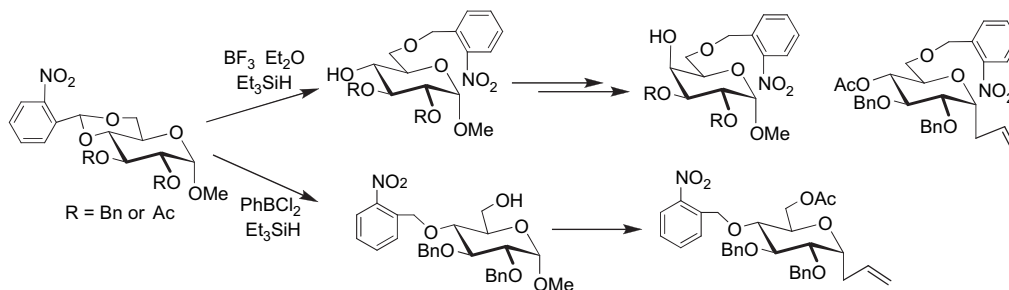
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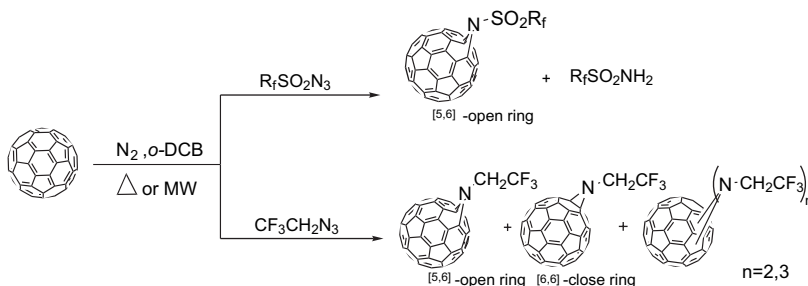
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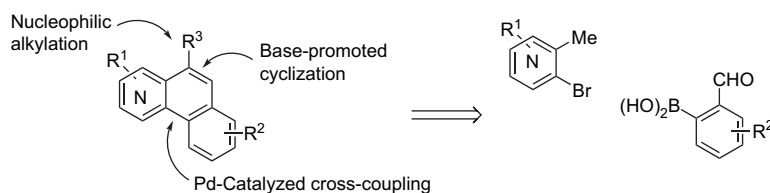
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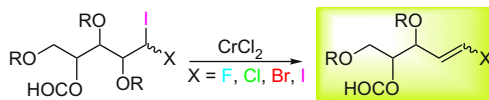
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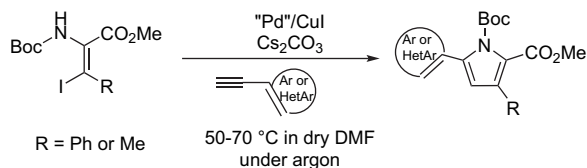
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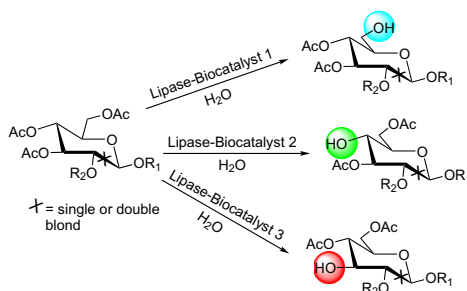
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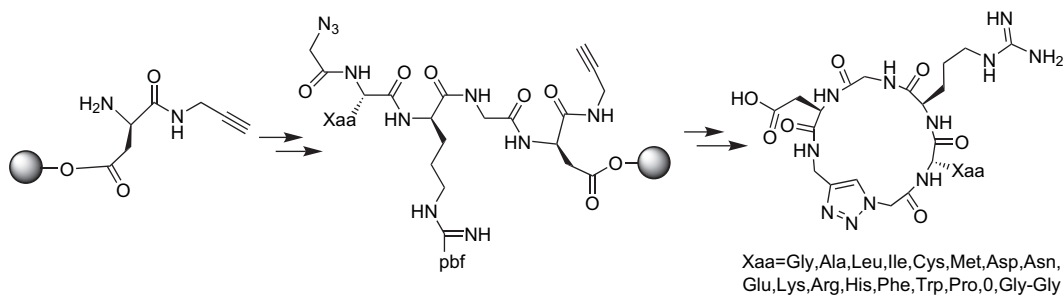
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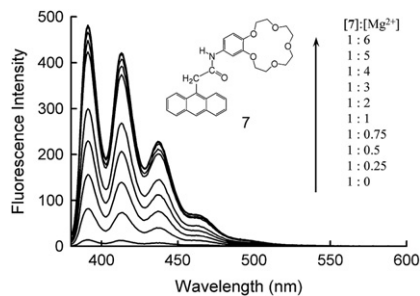
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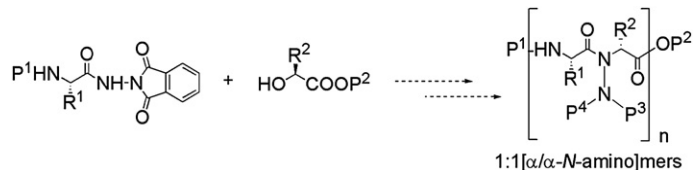
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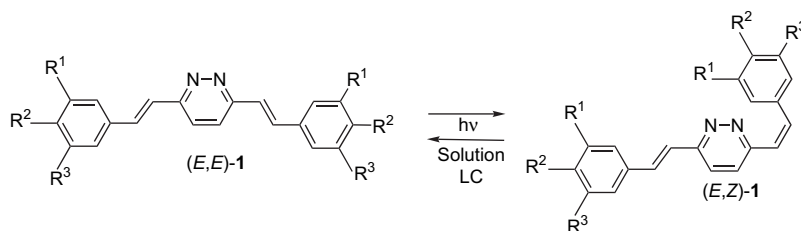


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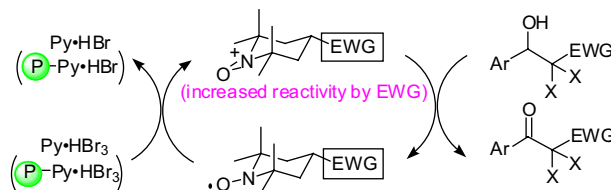
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Herbert Meier*, Thorsten Lifka, Peter Seus, Annette Oehlhof, Sabine Hillmann

**A high performance oxidation method for secondary alcohols by inductive activation of TEMPO in combination with pyridine–bromine complexes** pp 10761–10766


Zhen-Wu Mei, Takumi Omote, Mounir Mansour, Hiroyuki Kawafuchi, Yutaka Takaguchi, Anny Jutand*, Sadao Tsuboi, Tsutomu Inokuchi*



A combination of Py·HBr₃ as a co-oxidant and the electronically activated TEMPO as a recyclable catalyst is useful for oxidation of not only common alcohols, but also of the electron-deficient secondary alcohols such as ArCH(OH)CFCl₂.



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 Supplementary data available via ScienceDirect



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