Contents lists available at ScienceDirect

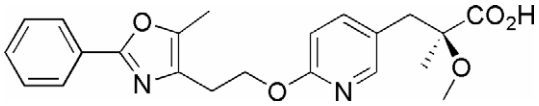
Tetrahedron Letters

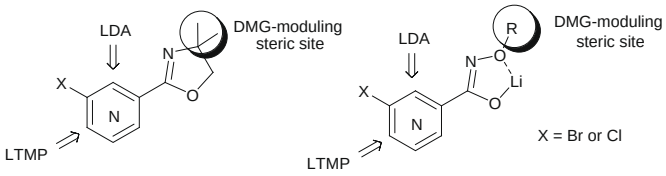
journal homepage: www.elsevier.com/locate/tetlet

Tetrahedron Letters Vol. 50, No. 16, 2009

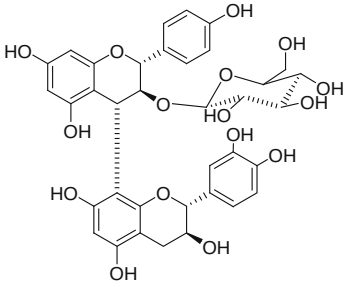
Contents

Communications

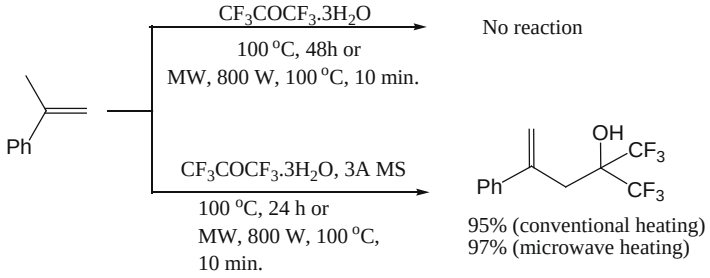


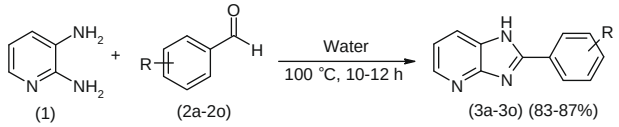


Sterically controlled regioselective lithiation of meta-halopyridocarboxamides derivatives using deuterated probes is described.

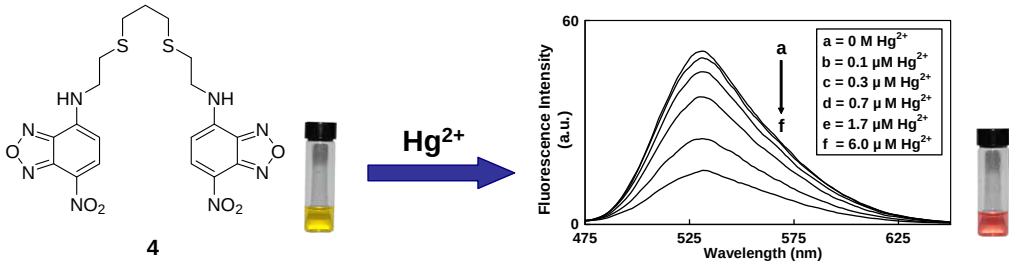


From the polar extracts of the leaves of *Quercus ilex* L., two new proanthocyanidin glycosides were isolated, namely afzelechin-(4α→8)-catechin-3-*O*-β-glucopyranoside and afzelechin-(4α→8)-catechin-3-*O*-α-rhamnopyranoside. ROESY experiments played a pivotal role in the structure elucidation.

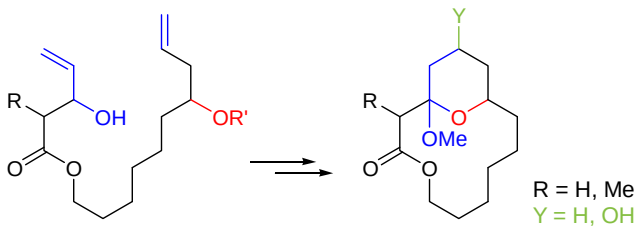


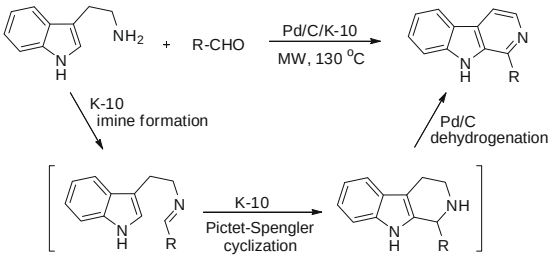


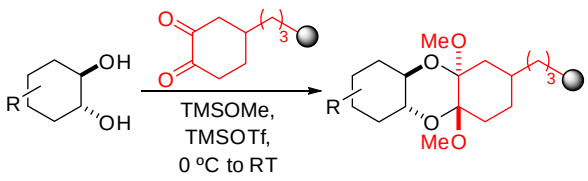
We report a new environmentally-benign, convenient, and facile methodology for the synthesis of 2-substituted-1*H*-imidazo[4,5-*b*]pyridine in aqueous medium by air oxidation without the use of any oxidative reagent.



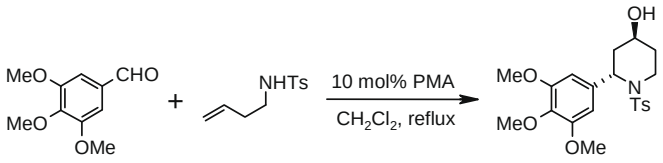
Compound **4** selectively binds Hg^{2+}, and the binding is indicated by both fluorescence quenching and a chromogenic change which can be detected by the naked eye.

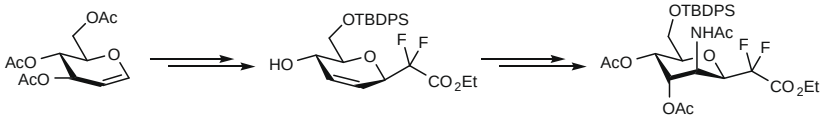


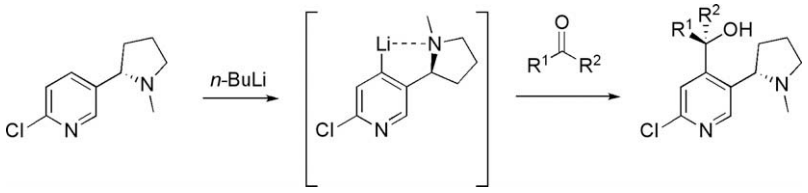


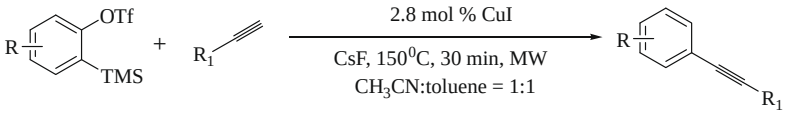


A selective resin for linking *trans*-diequatorial-1,2-diols to solid support is described.

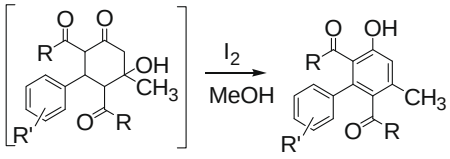




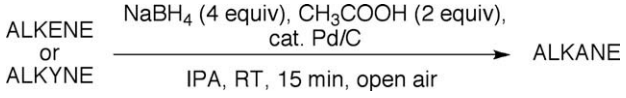


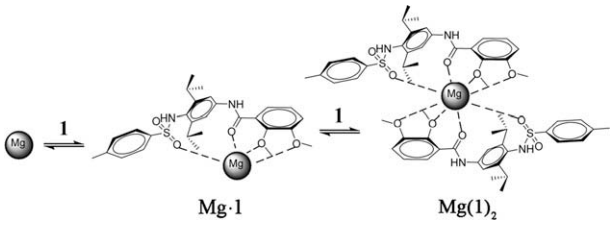


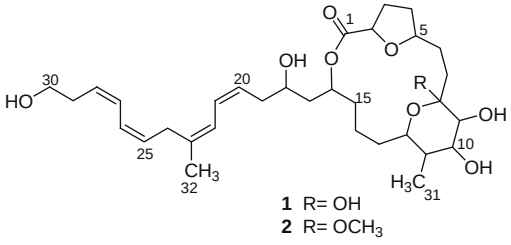
Benzyne-generated copper-catalyzed alkyne–aryne coupling reaction run under microwave conditions gave coupled products in yields ranging from 97% to 59% in 30 min heating at 150 °C.



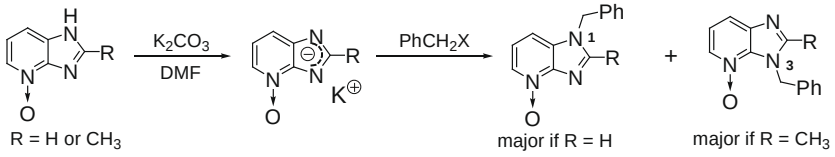
A simple method for the synthesis of biphenyls has been described using iodine/methanol as an oxidative reagent.

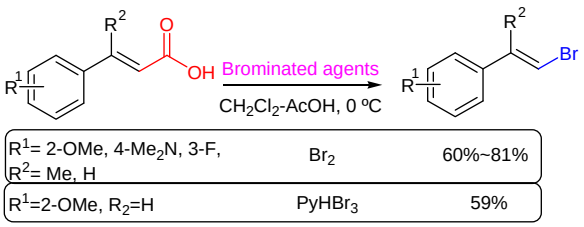


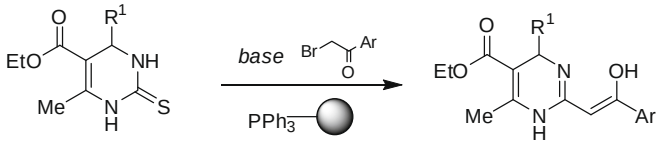


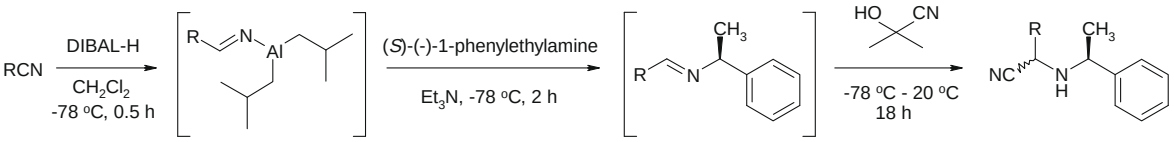


Two novel 17-membered ring macrolides, formosalides A (**1**) and B (**2**), were isolated from the cultured marine dinoflagellate *Prorocentrum* sp., strain PL040104002.

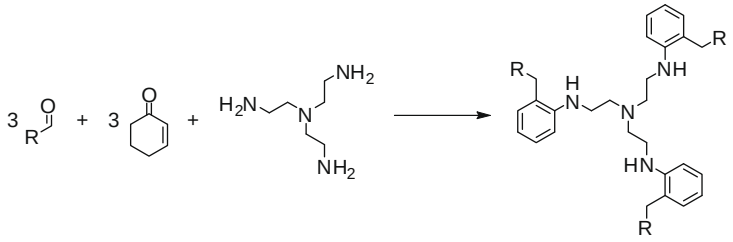


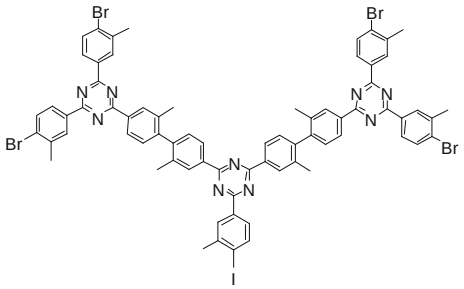


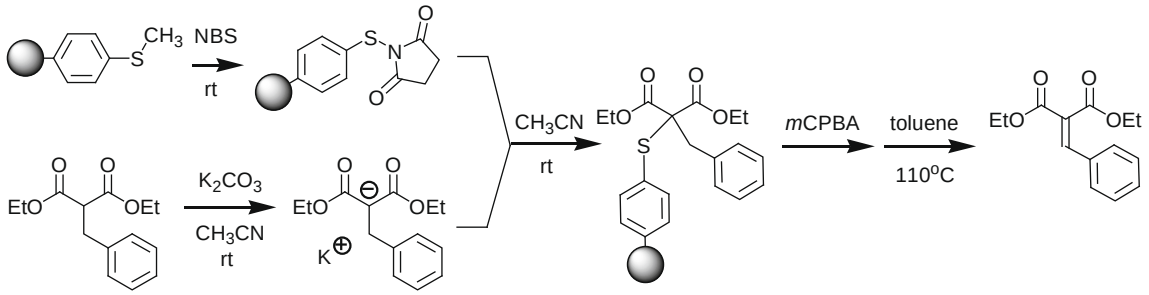


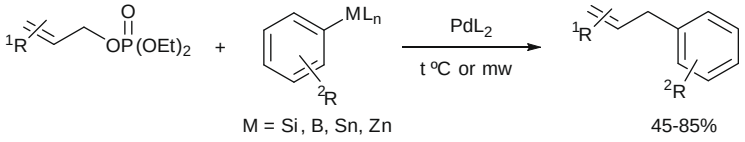


A one-pot Strecker reaction using various alkyl, arylalkyl and arylnitriles is developed. Aldimine alanes were generated in situ from nitriles by the addition of diisobutylaluminium hydride, and were converted into the corresponding imines on reaction with (*S*)-(−)-1-phenylethylamine. Nucleophilic addition to the imines in the presence of catalytic triethylamine, using acetone cyanohydrin as a cyanide source, provided α-aminonitriles.

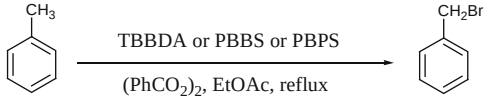








Allylic phosphates are good electrophiles for a range of cross-coupling reactions, under both conventional heating and microwave irradiation.



*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®

ELSEVIER

Available online at www.sciencedirect.com
ScienceDirect

ISSN 0040-4039