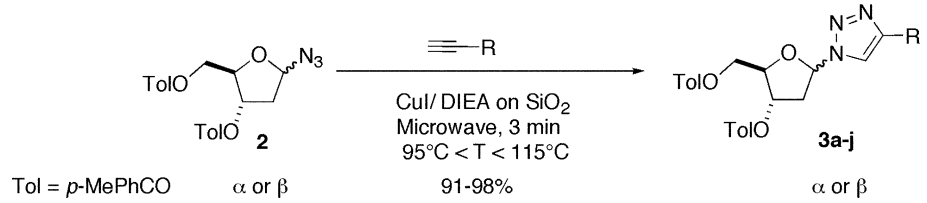
ELSEVIER

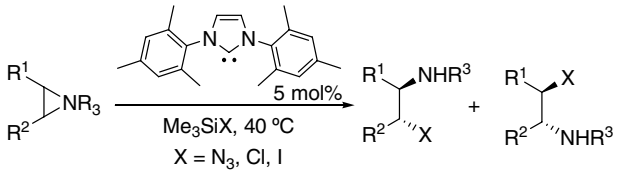
Tetrahedron Letters

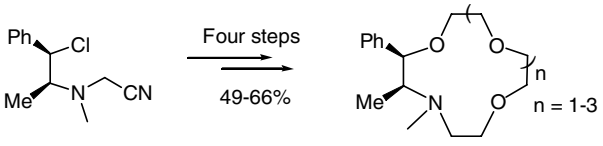
Tetrahedron Letters Vol. 47, No. 28, 2006

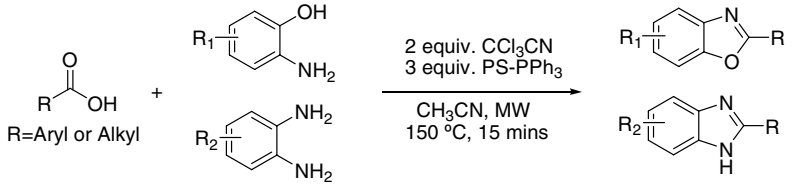
Contents

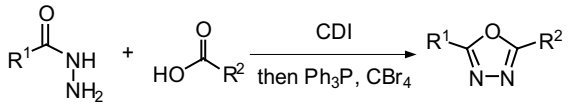
COMMUNICATIONS



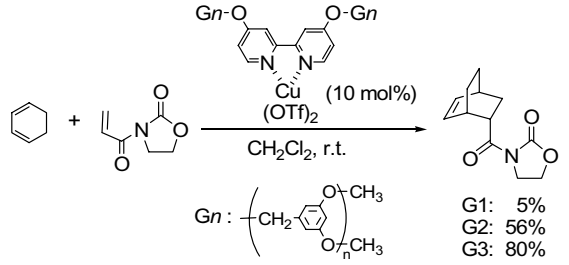


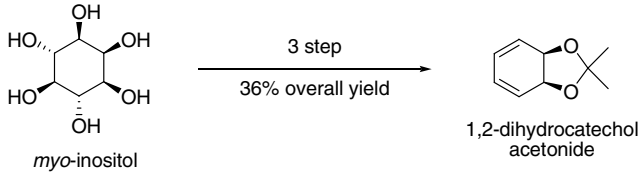


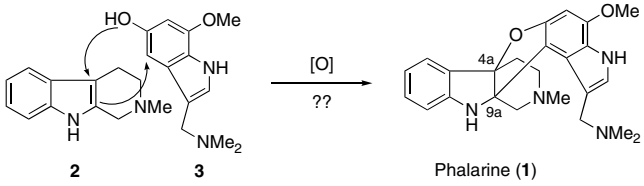


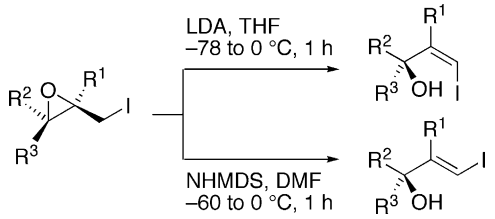


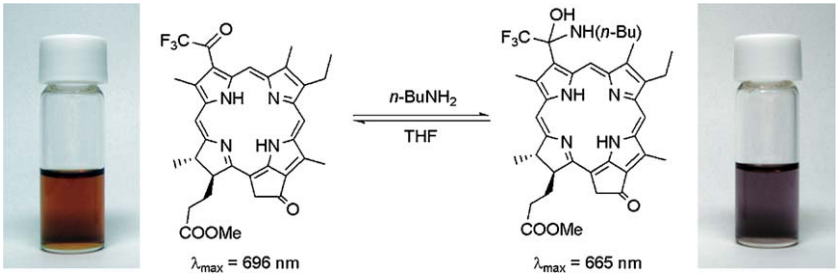
A convenient one pot method for the synthesis of 2,5-disubstituted 1,3,4-oxadiazoles from carboxylic acids and acyl hydrazides is reported. Acid activation with CDI and coupling with the desired acylhydrazide followed by dehydration in the same pot with Ph_3P and CBr_4 affords the corresponding 1,3,4-oxadiazoles in good yield. The scope of the acid and acylhydrazide components is presented.

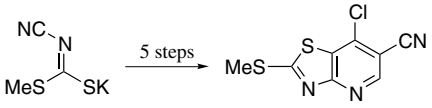


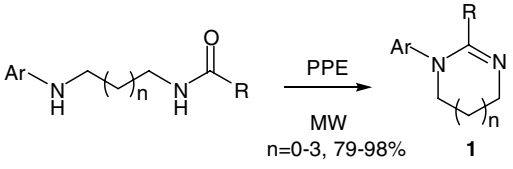


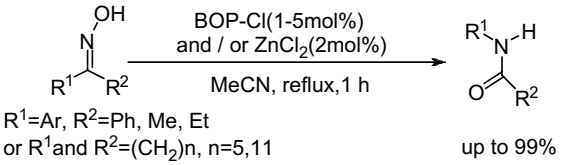


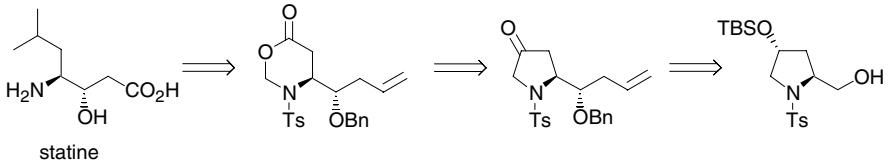


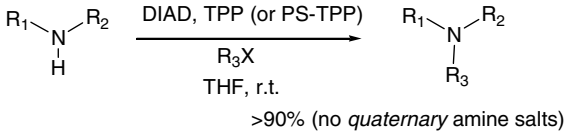


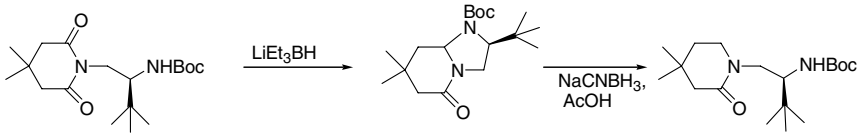


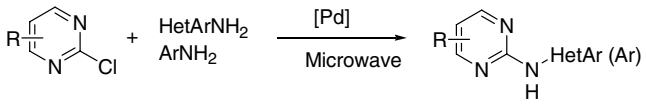




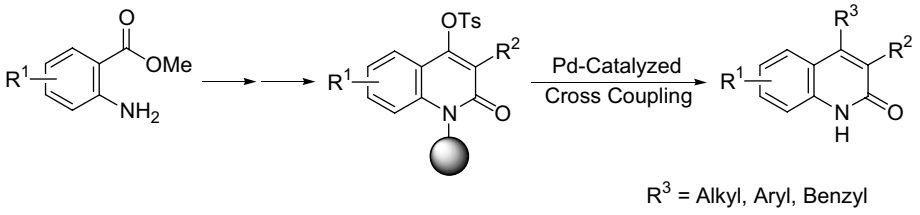


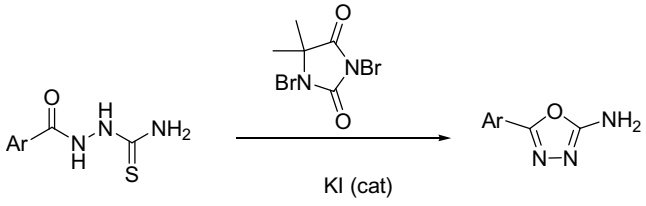


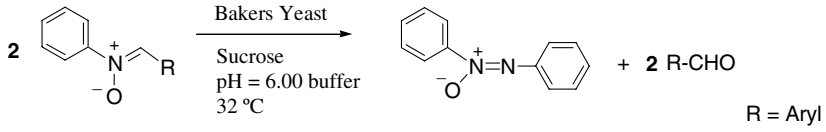


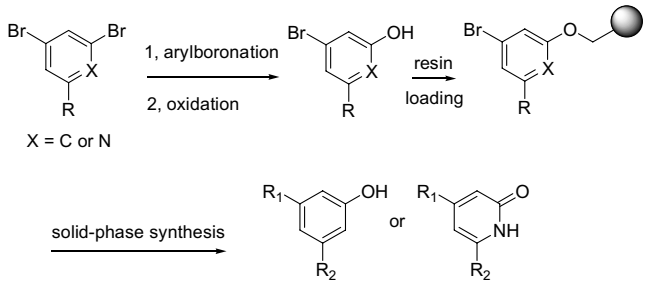


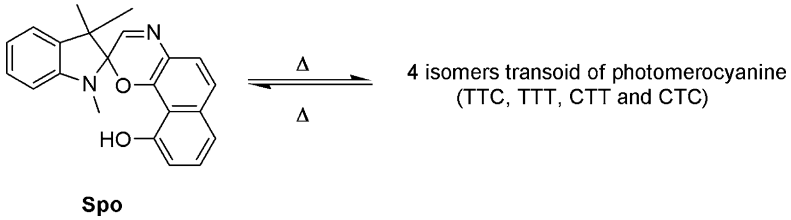
An efficient method for the synthesis of 2-arylaminopyrimidines via microwave assisted, Pd-mediated amination of 2-chloropyrimidine is reported. This method is superior to the classical heating process, particularly when one of starting materials is a heteroarylamine.



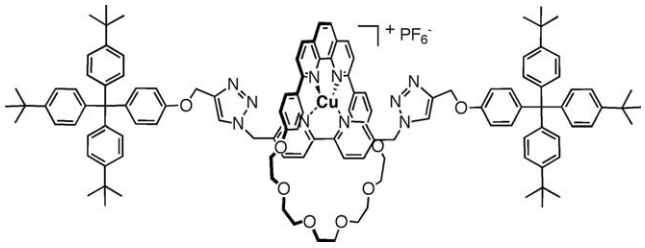




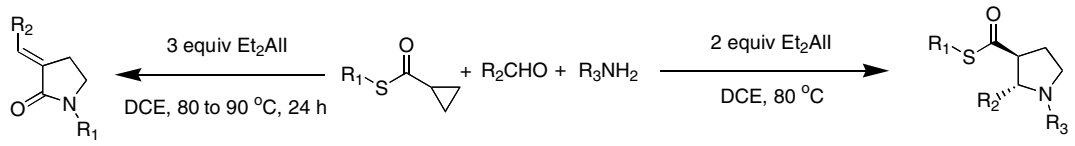




Spo



A copper [2]rotaxane has been prepared in high yield under the 'click chemistry' conditions.

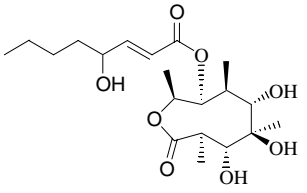


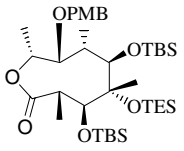
4

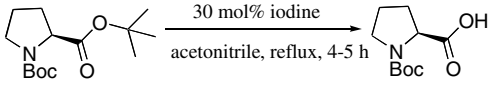
4 examples
40-71%

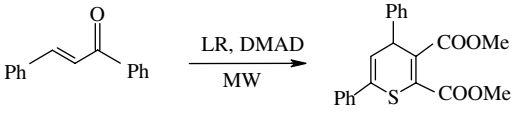
2

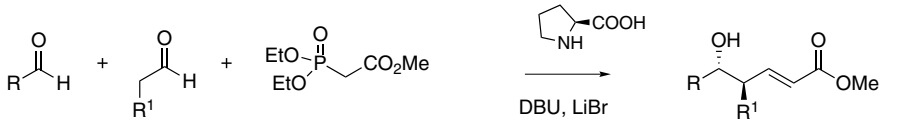
12 examples
39-73%





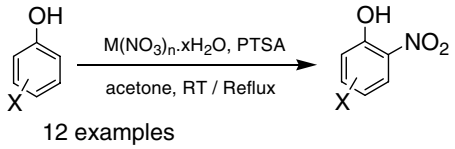


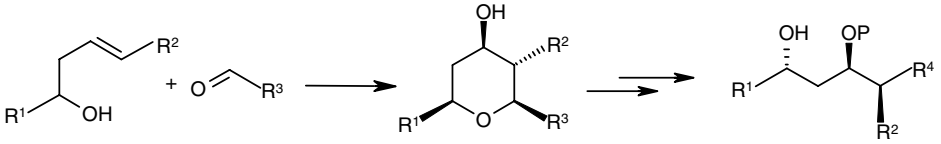


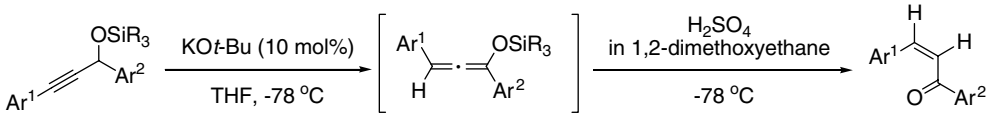


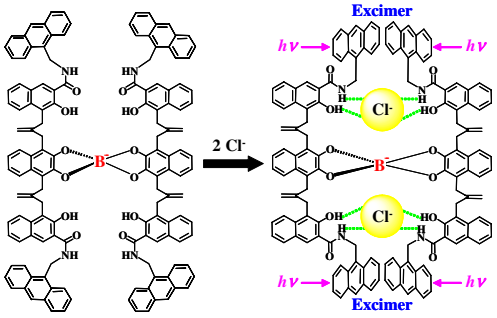
R = CH_2OX, R'; R^1 = OX, Me

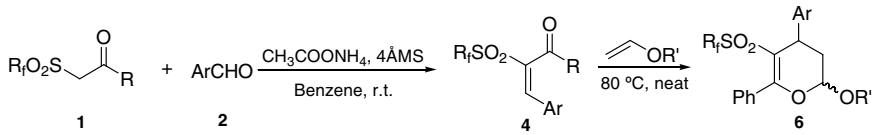
up to 10:1 dr and 93-98% ee

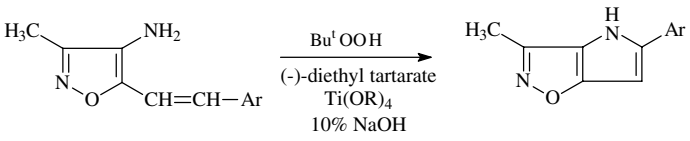




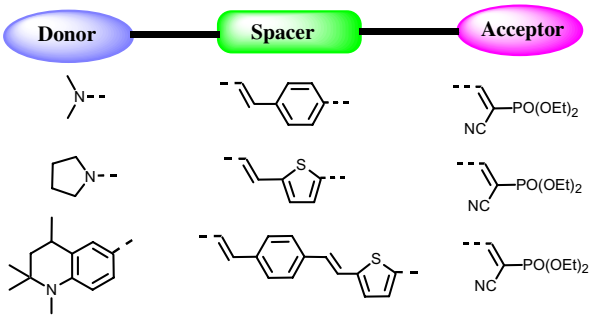


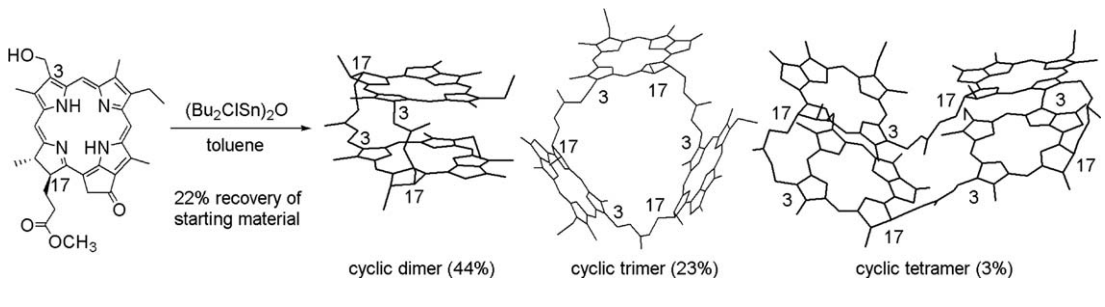


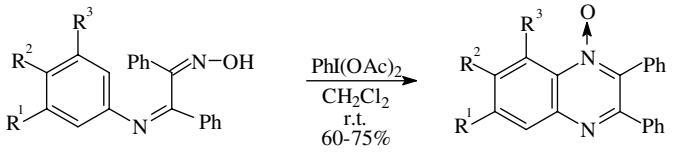




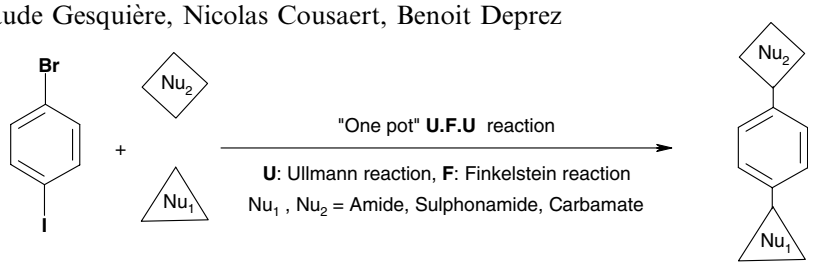
Sharpless epoxidation of aminostyryl isoxazoles resulted in the formation of pyrrolo[2,3-*d*]-isoxazoles in a one-step reaction.







A mild and efficient synthetic protocol for the oxidation of benzil-α-arylimino oximes utilizing iodobenzene diacetate (IBD) as an oxidizing agent has been developed.



The development of a Ullmann–Finkelstein–Ullmann multicomponent reaction and its application to the synthesis of non-symmetrical para-disubstituted benzene compounds are described.

OTHER CONTENTS

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

COVER

Cyclic dimer, trimer, and tetramer of chlorophyllous units were prepared by one-pot intermolecular transesterification of a hydroxy-methoxycarbonyl-chlorin. Among the cyclic chlorophyll oligomers, selective complexation ability of chlorin trimer with fullerenes was evidenced by the ^{1}H-NMR, UV–vis, and CD spectroscopies. *Tetrahedron Letters* **2006**, *47*, 4965–4968.

Indexed/Abstracted 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

ELSEVIER

ISSN 0040-4039