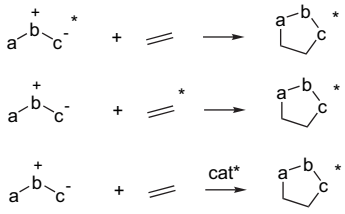
ELSEVIER

Tetrahedron

Tetrahedron Vol. 63, No. 16, 2007

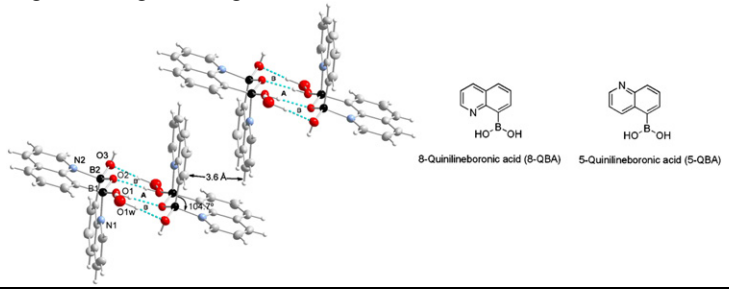
Contents

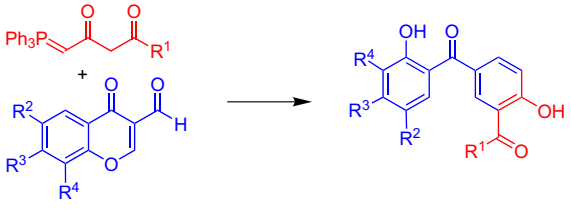
REPORT

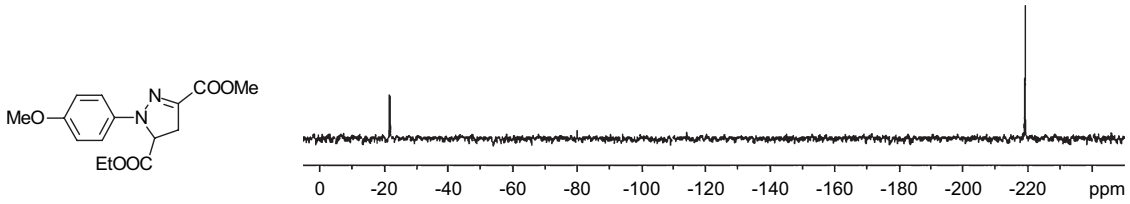


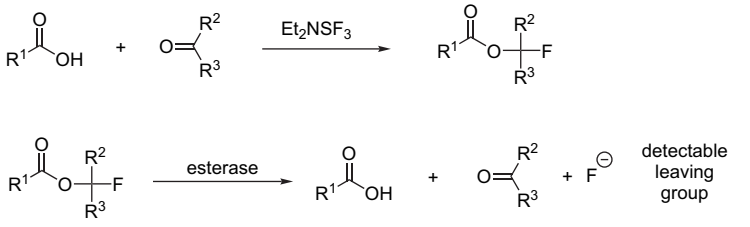
This review is intended to update the recent developments in asymmetric 1,3-dipolar cycloaddition reactions involving a variety of heteroylides (or ylide equivalents) and dipolarophiles, covering the literature from 2001 to 2006.

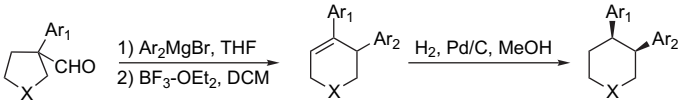
ARTICLES



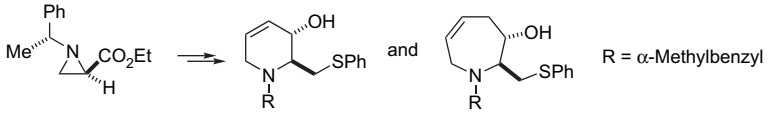


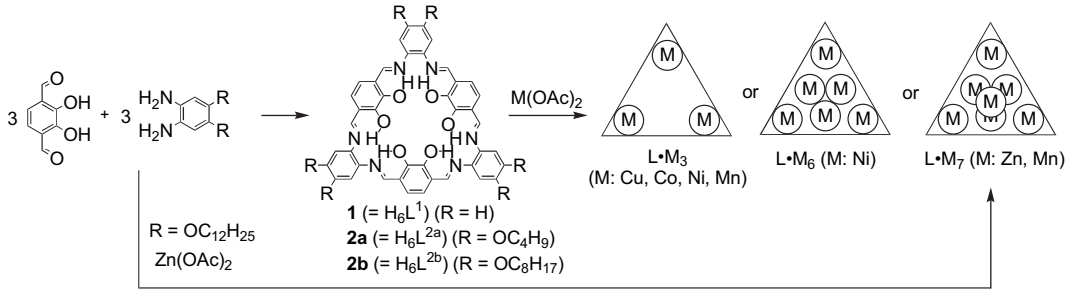


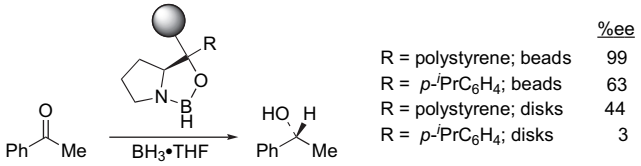


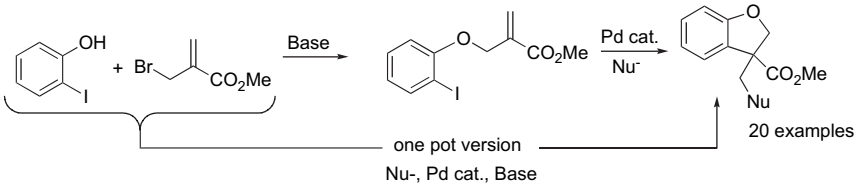


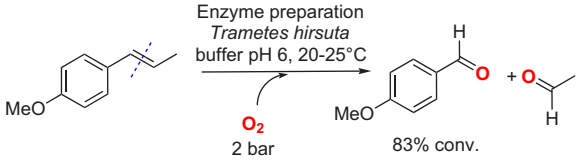
For X=NTs, **A**, Ar_1 = C_6H_5; **B**, Ar_1 = 4-FC_6H_4
Ar_2 = **a**, C_6H_5; **b**, 2-MeC_6H_4; **c**, 2-$MeOC_6H_4$; **d**, 3-$MeOC_6H_4$; **e**, 4-$MeOC_6H_4$
For X=O, C, Ar_1 = C_6H_5
Ar_2 = **a**, C_6H_5; b, 2-MeC_6H_4; **c**, 2-$MeOC_6H_4$; **d**, 3-$MeOC_6H_4$; **e**, 4-$MeOC_6H_4$; **f**, 2,6-$Me_2C_6H_3$

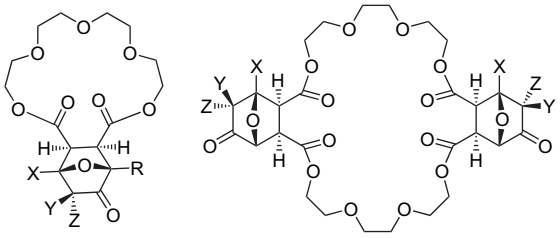


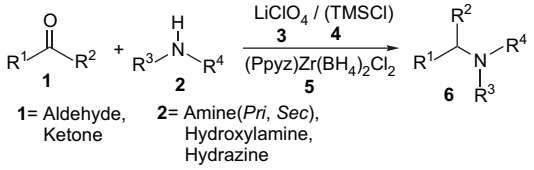




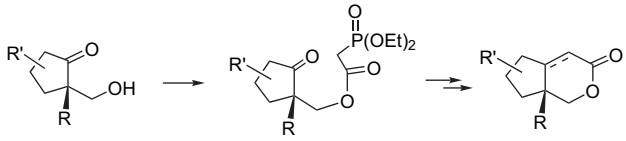


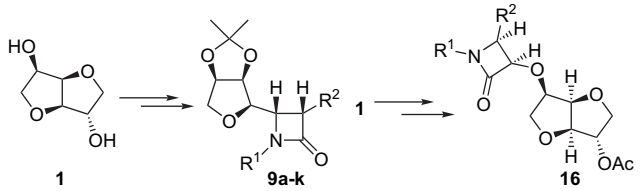


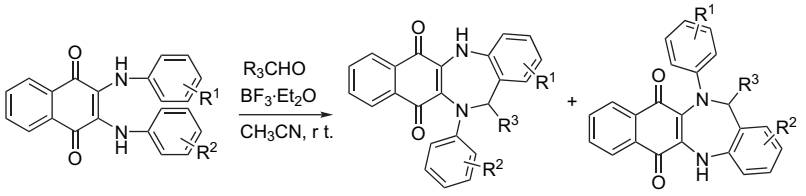




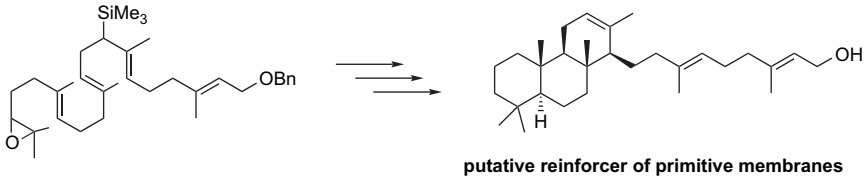
A novel, one-pot reductive mono-alkylation method of amines was developed.

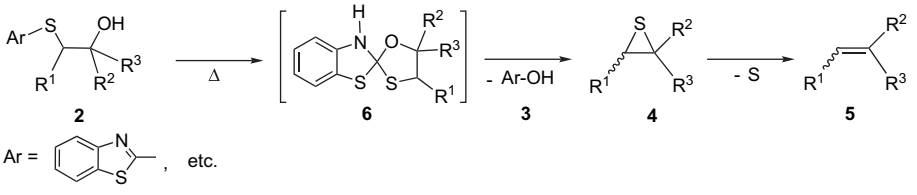






Synthesis of novel benzodiazepine derivatives of 1,4-naphthoquinones via Pictet–Spengler reaction is reported. Reaction of diaminonaphthoquinones with aldehydes in the presence of $BF_3 \cdot Et_2O$ gives benzodiazepine-naphthoquinones in good yields.





*Corresponding author
Supplementary data available via ScienceDirect

COVER

4-(2-Hydroxybenzoyl)salicylic esters and amides are available by domino 'Michael-retro-Michael-Wittig' reactions of (2,4-dioxobutylidene)triphenylphosphoranes with 3-formylchromones. *Tetrahedron* **2007**, *63*, 3293–3301.

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical 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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