ELSEVIER

Tetrahedron Letters

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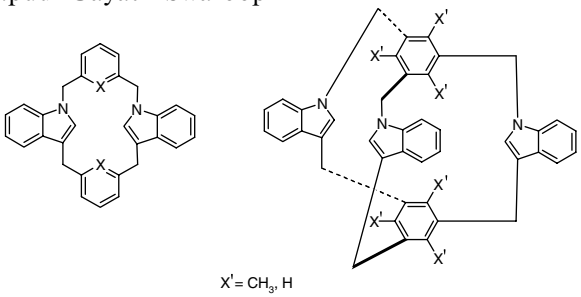
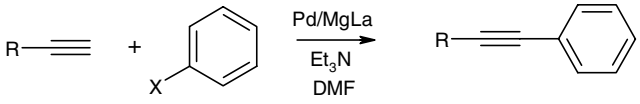
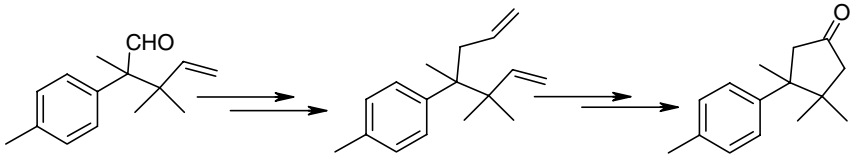
Contents

COMMUNICATIONS

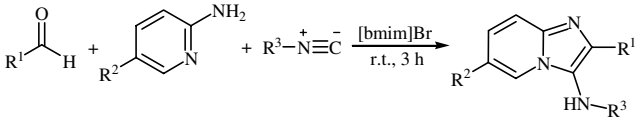


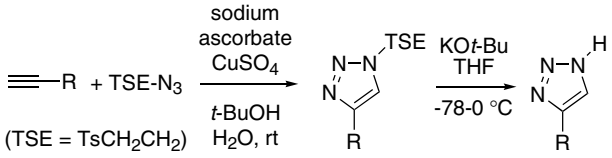


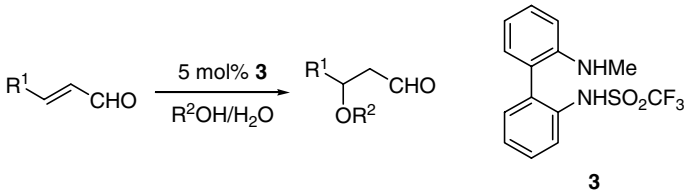
A new Pd/MgLa mixed oxide is found to be an efficient catalyst for the Sonogashira reaction of aryl iodides, bromides and even activated chlorides in the absence of a copper salt.

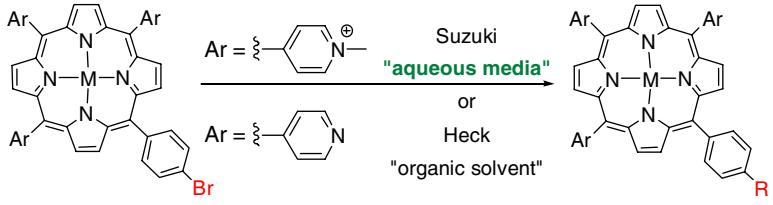


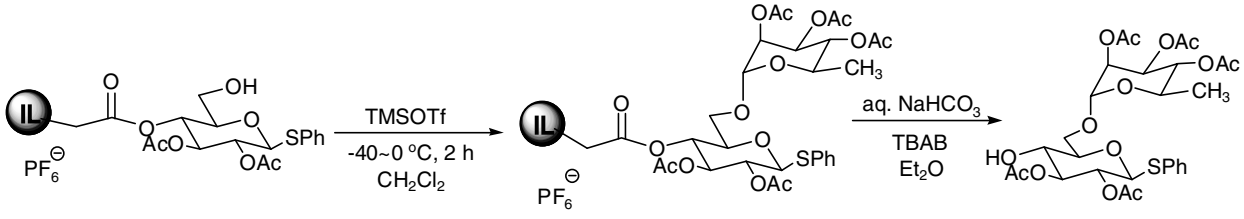
A Wittig olefination–Claisen rearrangement strategy has been applied to achieve one of the shortest and efficient synthesis of (±)-β-cuparenone.



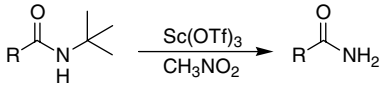


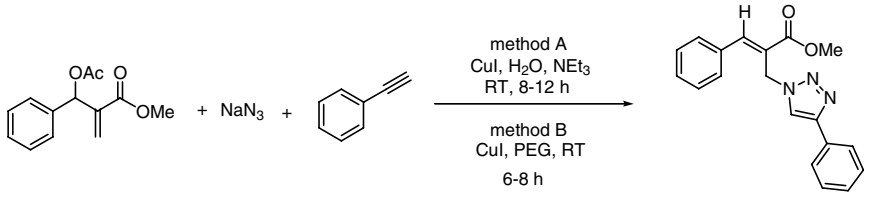


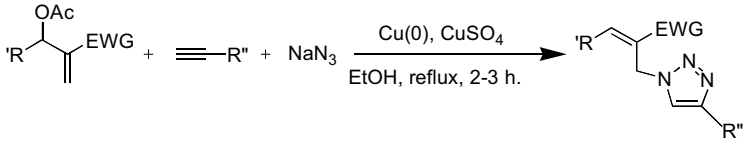




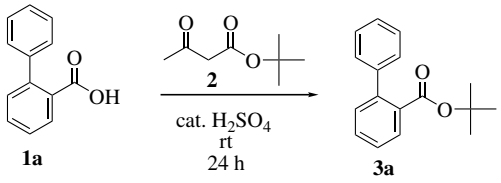
A novel ionic-liquid-support synthesis of oligosaccharides with a general protocol of coupling and purification is described.

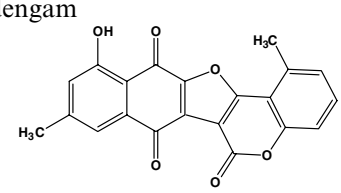






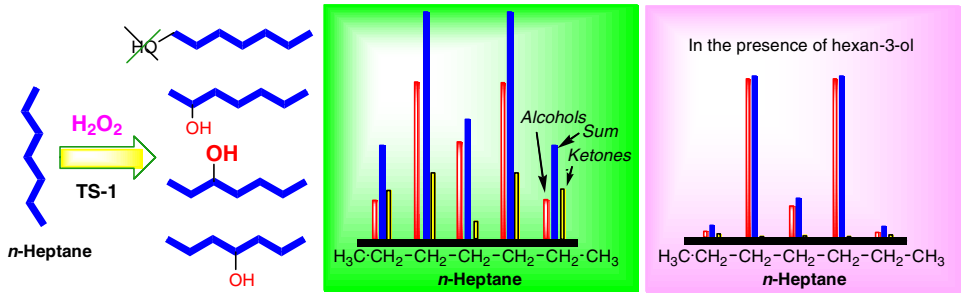
A three-component coupling was used to prepare a series of 1,4-disubstituted-1,2,3-triazoles from the corresponding acetylated Baylis–Hillman adducts, sodium azide and terminal alkynes. This one-pot reaction further increases the efficacy of 'Click' synthesis and diversifies the preparation of multi-functional 1,4-disubstituted-1,2,3-triazoles.

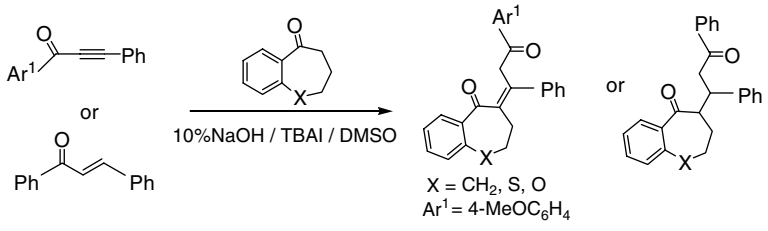


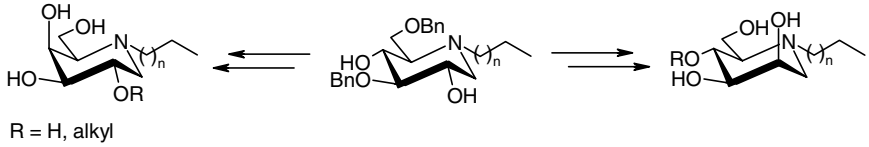


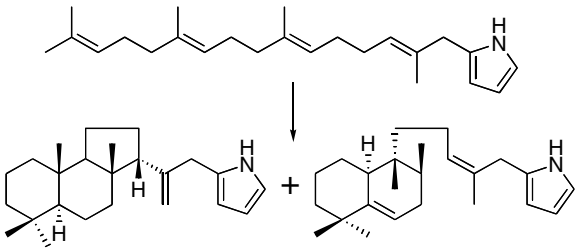
1

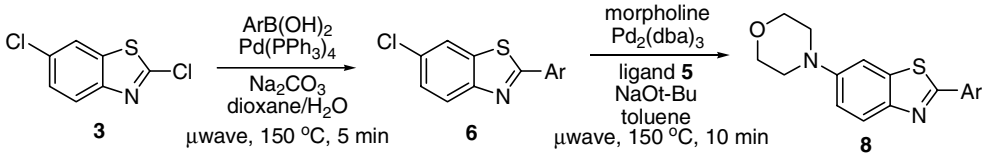
A new naphthoquinone, crassiflorone **1** was isolated from the stem bark of *Diospyros crassiflora* together with two known naphthoquinones, three pentacyclic triterpenoids and one coumarin.

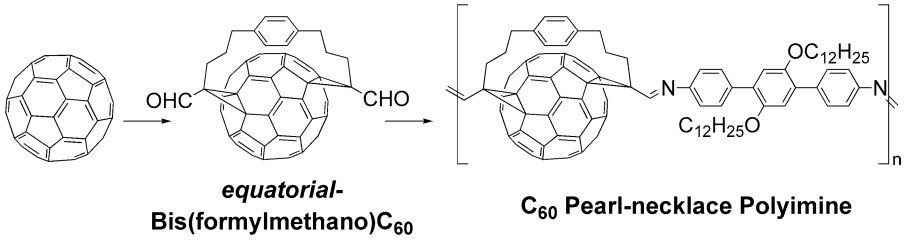


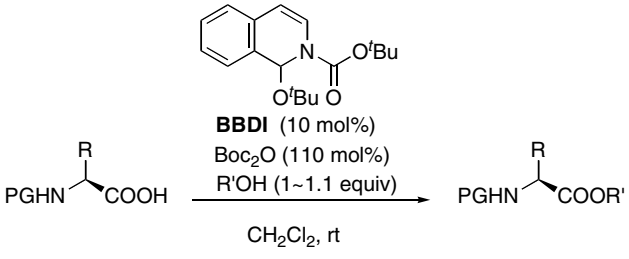


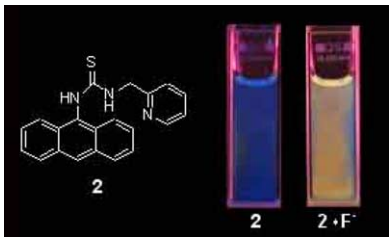


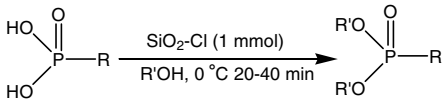




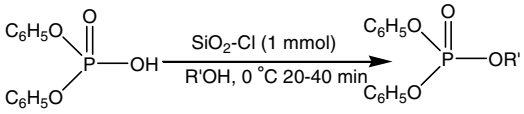




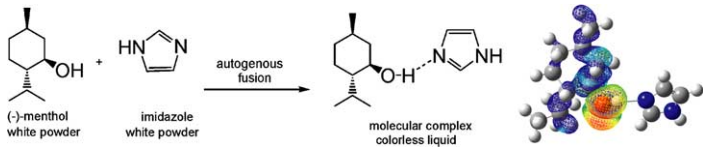




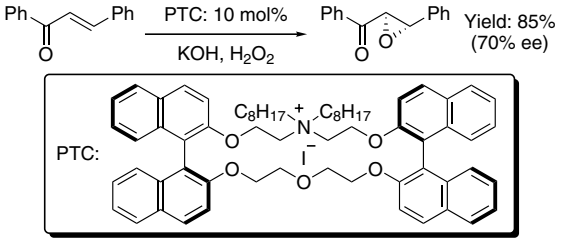
R = CH_3, C_2H_5, n-C_3H_7, i-C_3H_7
R' = CH_3, C_2H_5, n-C_3H_7, i-C_3H_7, n-C_4H_9, C_6H_{11}, C_6H_5

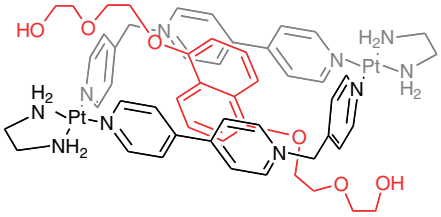


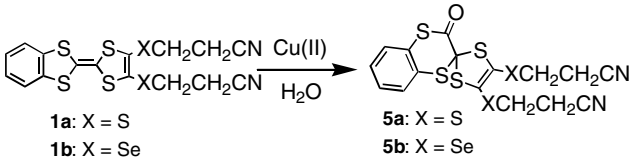
R' = CH_3, C_2H_5, n-C_3H_7, i-C_3H_7, n-C_4H_9, C_6H_{11}

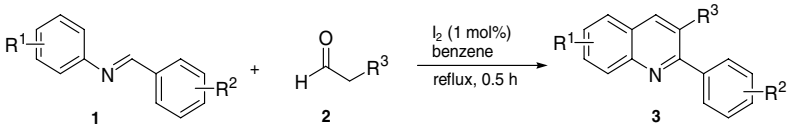


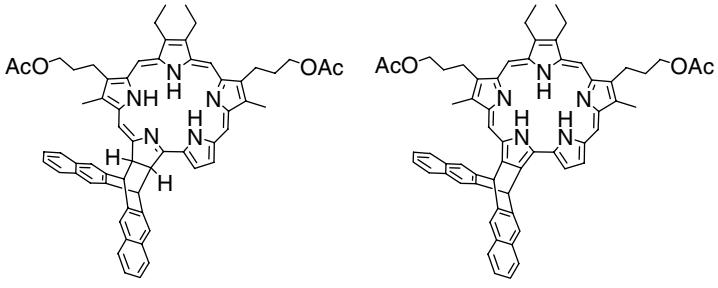
Asymmetric epoxidation of (*E*)-chalcone with alkaline hydrogen peroxide by novel chiral phase-transfer catalysts (chiral PTCs) with quaternary ammonium salts of azacrown ether proceeded in high yield and good enantioselectivity.

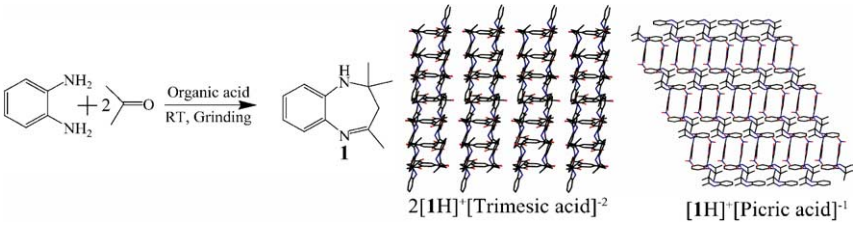




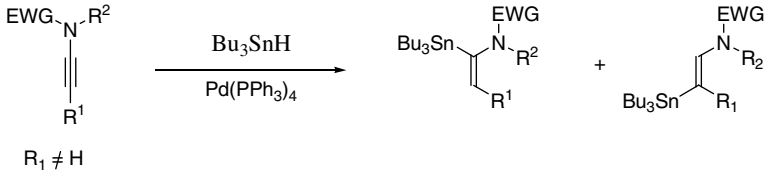


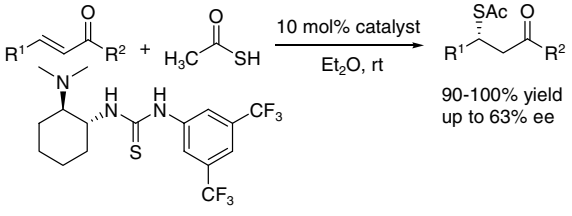


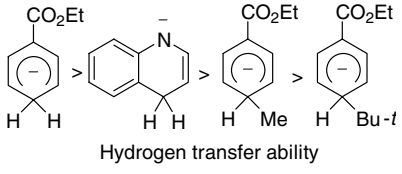


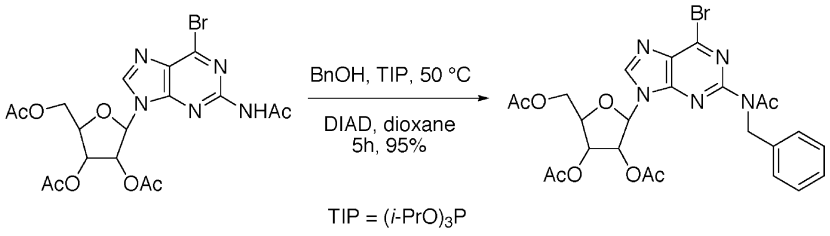


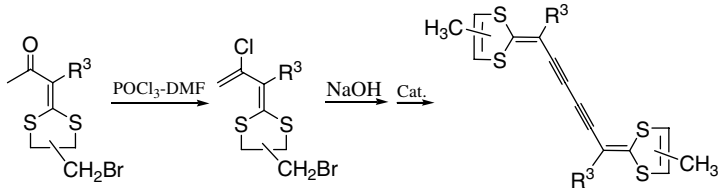
An efficient one-pot synthesis and organic salt superstructure of a 1,5-benzodiazepine derivative is described.



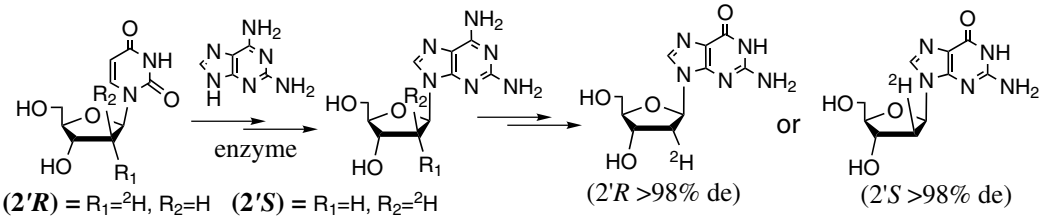




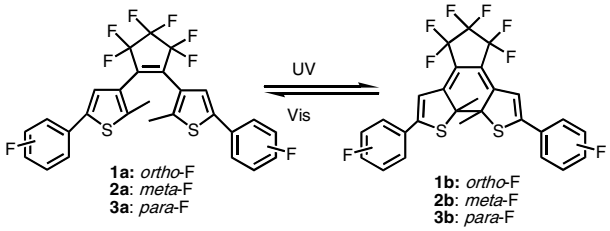




A new route to extended tetrathiafulvalenes was described. The extended TTFs with hexa-2,4-diyne-1,6-diylidene spacer between the two 1,3-dithiole rings were prepared simply from the easily available α-acetyl ketene-(*S*,*S*)-acetals in good yields under mild conditions.



The efficient synthesis of (2′*R* > 98% de)- and (2′*S* > 98% de)-2′-deoxy[2′-^{2}H]guanosines was achieved by chemoenzymatic conversion of (2′*R* > 98% de)- and (2′*S* > 98% de)-2′-deoxy[2′-^{2}H]uridine, respectively.



Photochromic diarylethenes bearing fluorine atoms at the *ortho*-, *meta*-, or *para*-position of both terminal phenyl groups have been synthesized. The substituent position effect on their optoelectronic properties were investigated for the first time.

OTHER CONTENT

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

COVER

The cover figure shows the X-ray crystal structures of three different anthracene thiourea derivatives, which display unique charge transfer peaks at 568 nm upon the addition of fluoride ions. *Tetrahedron Letters* **2006**, *47*, 3103–3106.

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