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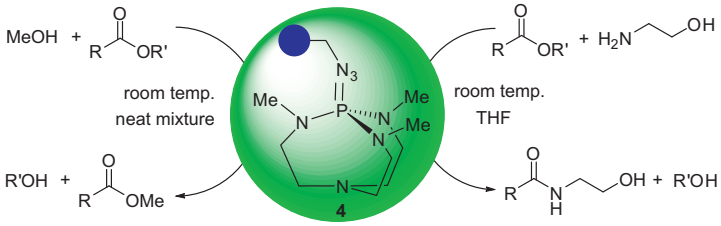
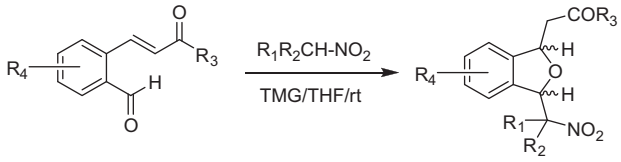
Tetrahedron Letters Vol. 52, No. 49, 2011

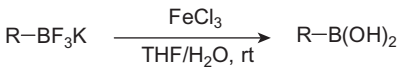
Contents

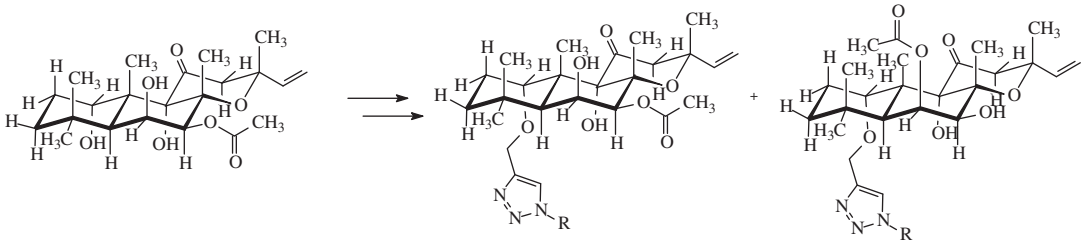
COMMUNICATIONS

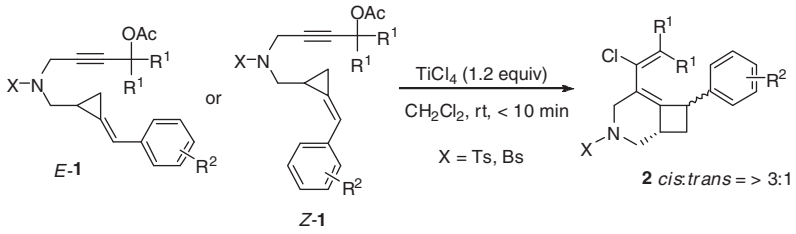


Merrifield resin-supported N_3=P(MeNCH$_2$CH$_2$)$_3$N (**4**), shows excellent activity in the transesterification of higher esters such as glyceryl tribenzoate to methyl esters and in amidation reactions of unactivated esters with amino alcohols.

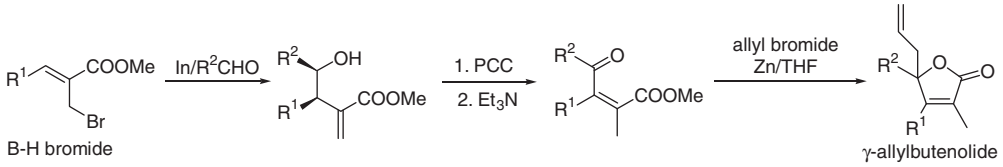


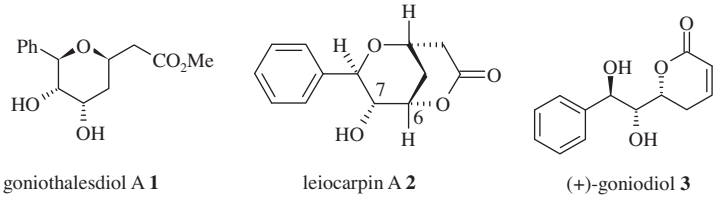


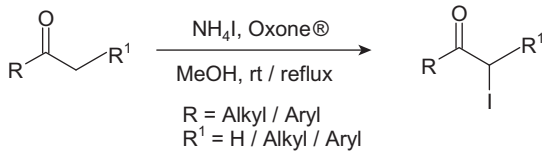


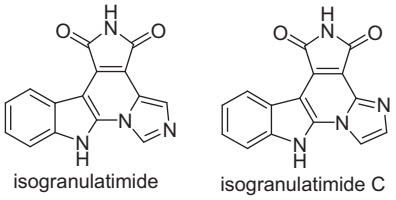


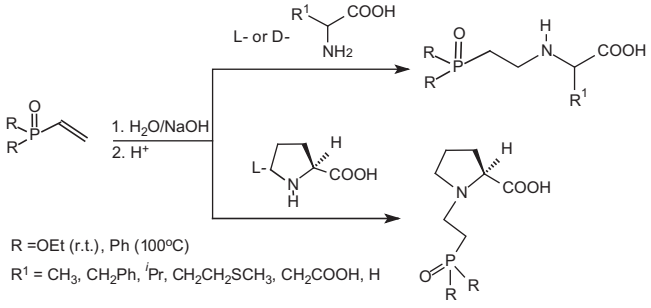
Titanium(IV) chloride-mediated intramolecular ring enlargement of methylenecyclopropanes with propargylic esters has been described in this context, affording the corresponding chlorinated bicyclo[4.2.0]oct-5-ene derivatives in moderate to good yields under mild conditions. The *E*- and *Z*-methylenecyclopropanes could all be converted to the corresponding bicyclo[4.2.0]oct-5-enes with moderate to high diastereoselectivities.

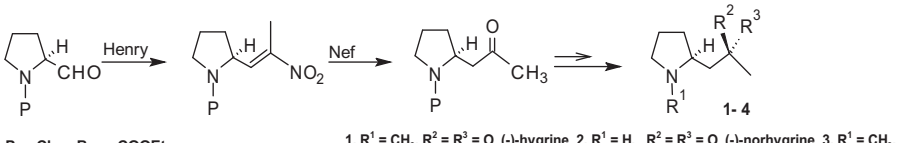


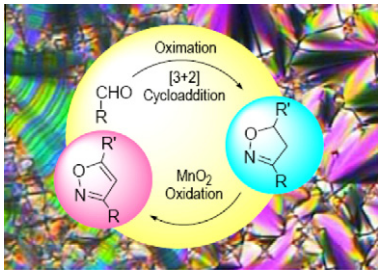


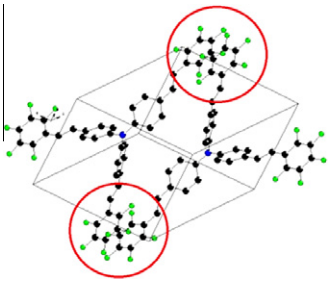




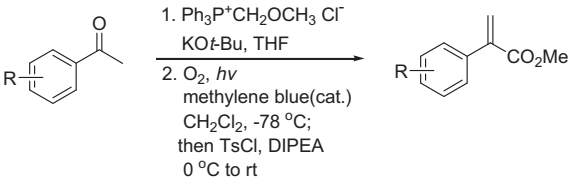




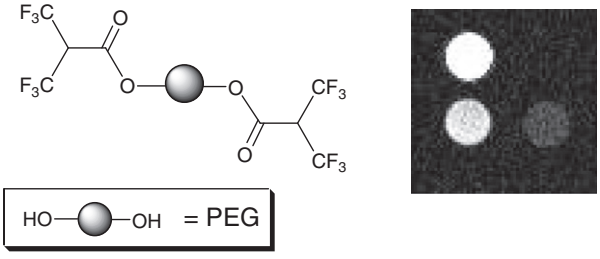




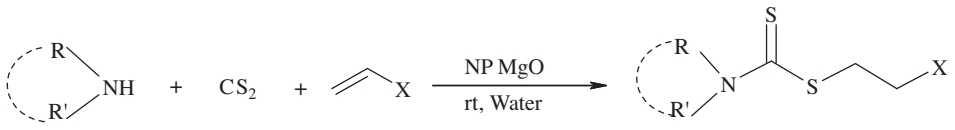
Triphenylamine derivatives bearing terminal perfluorophenyl groups have been synthesized and exhibit, in the solid state, multiple phenyl-perfluorophenyl and perfluorophenyl–perfluorophenyl interactions.



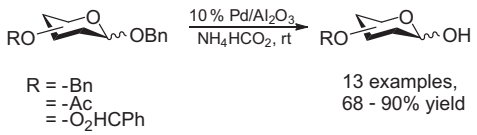
An efficient synthetic method has been developed for the synthesis of 2-arylacrylic esters from aryl methyl ketones.

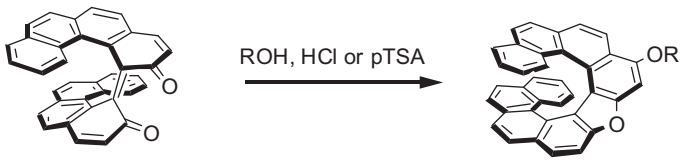


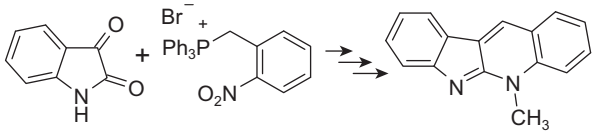
Novel water soluble fluorinated polymers for ^{19}F MRI: images have been obtained at three different concentrations.

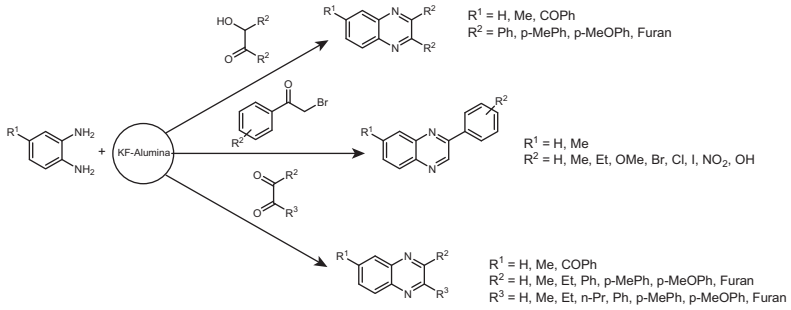


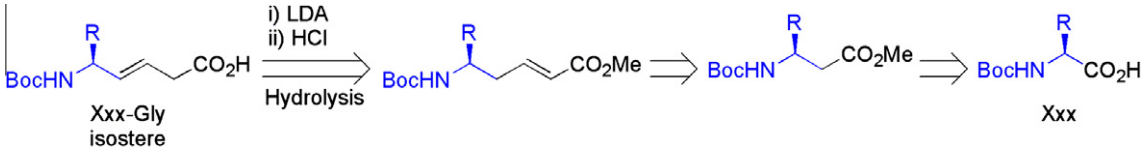
An expeditious and green protocol has been demonstrated for the synthesis of dithiocarbamates in the presence of nanocrystalline MgO in water with excellent yield.

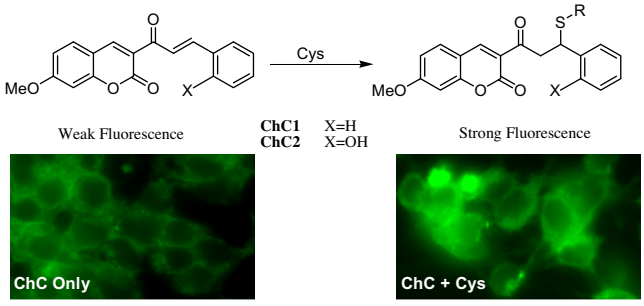


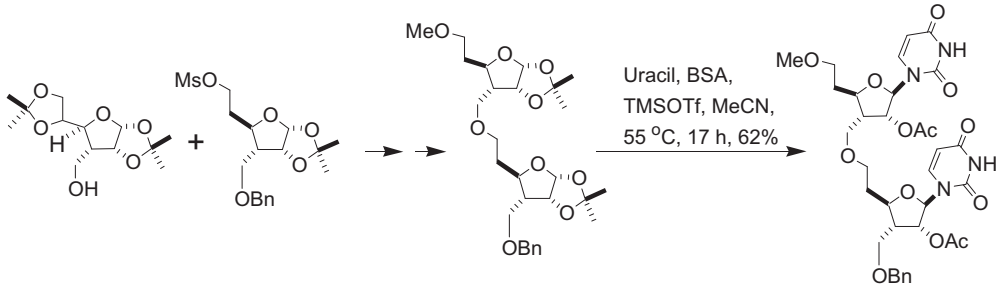


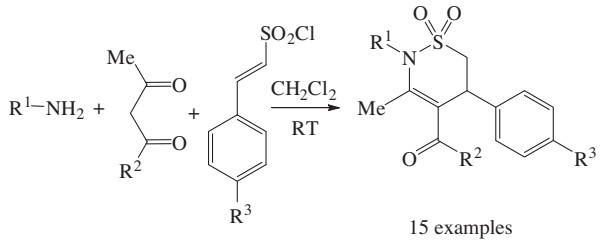


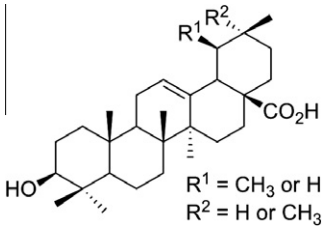




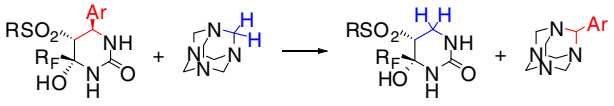


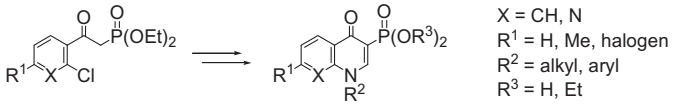


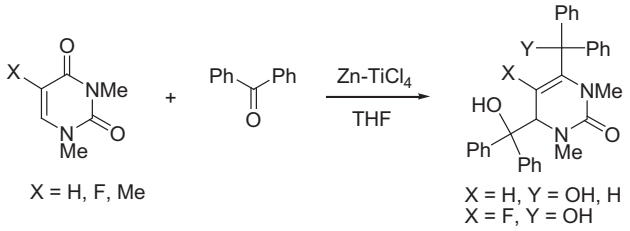


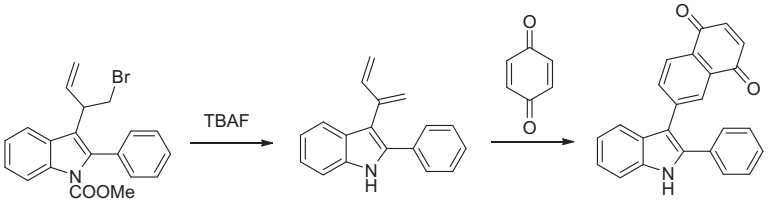


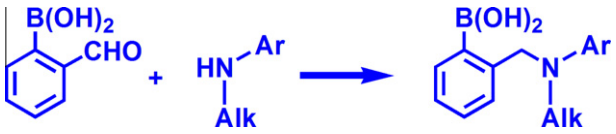
A convenient route has been developed to separate regioisomeric ursolic and oleanolic acid.

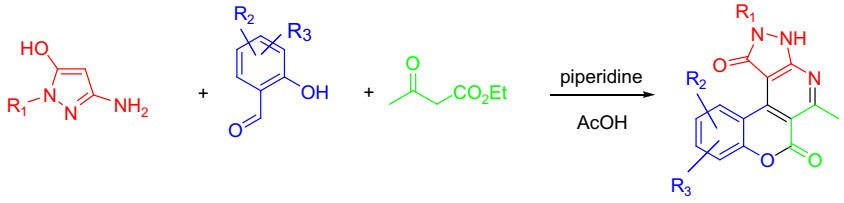


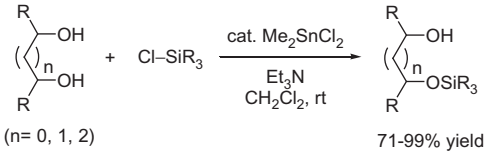


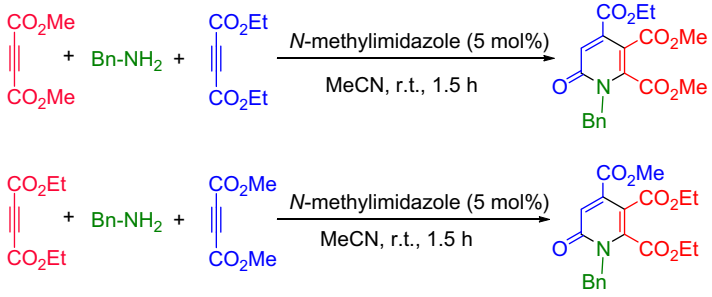


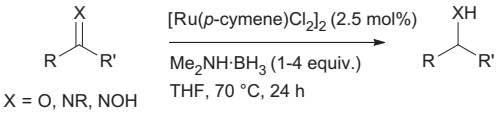




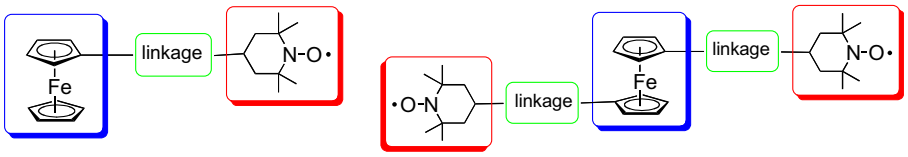








The reduction of a range of functional groups has been achieved by ruthenium-catalysed transfer hydrogenation using dimethlyamine borane as the reducing agent.



Ferrocene derivatives carrying TEMPO radical exhibited unique battery properties based on redox-active ferrocene and TEMPO units together with inherent magnetic properties.

*Corresponding author
Supplementary data available via ScienceDirect

COVER

Ruthenium-catalysed transfer hydrogenation reactions with dimethylamine borane
Tetrahedron Letters **2011**, *52*, 6652-6654.

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