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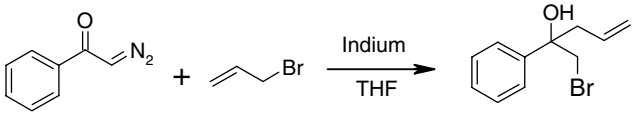
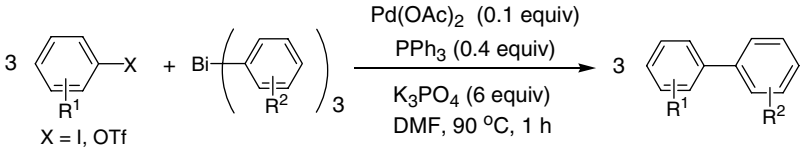
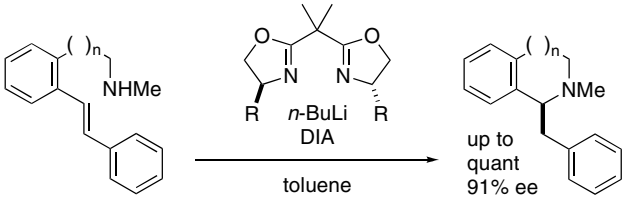
Contents

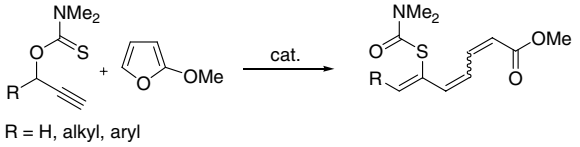
COMMUNICATIONS

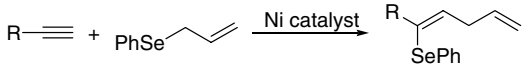


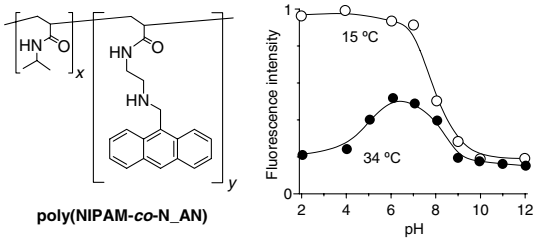


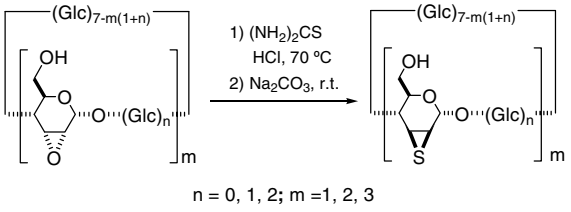


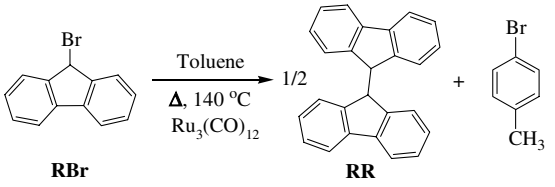
Asymmetric intramolecular cyclization of aminoalkenes was catalyzed by a catalytic amount of *n*-butyllithium, diisopropylamine, and a newly designed chiral bisoxazoline in toluene to produce kinetically controlled *exo*-cyclized amines with up to 91% ee quantitatively.

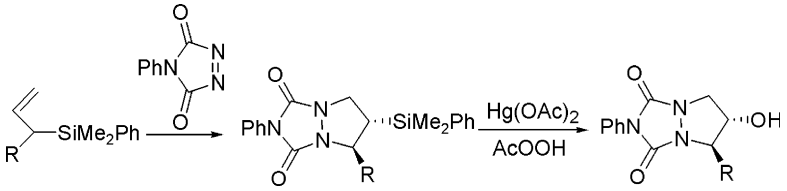


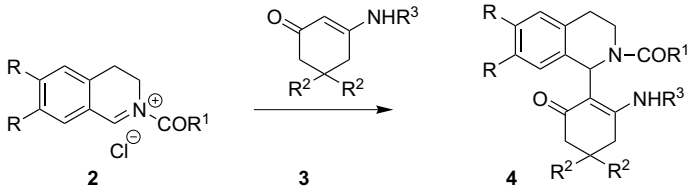






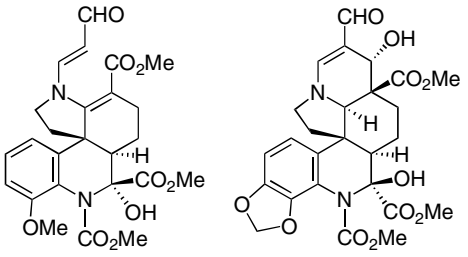


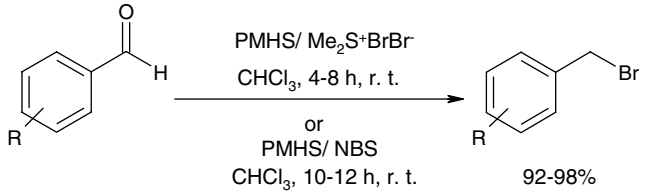


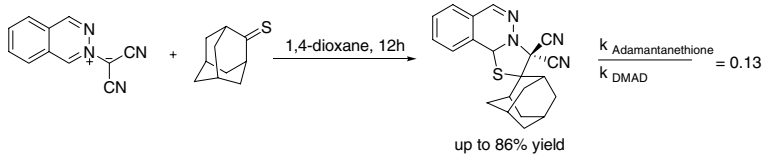


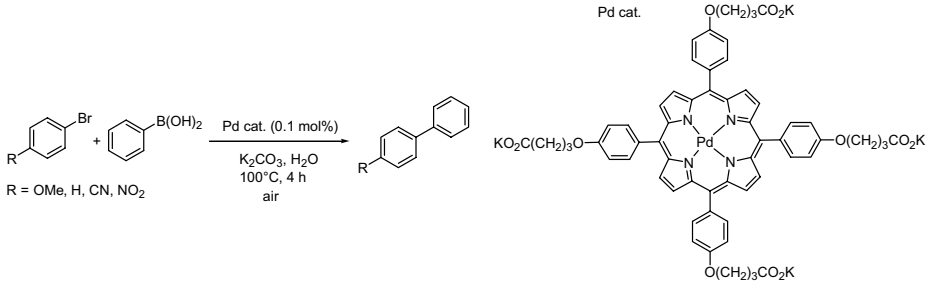
A series of cyclic enaminoketones were selectively amidoalkylated at the α-carbon in reactions with acyliminium reagents derived from 3,4-dihydroisoquinolines.

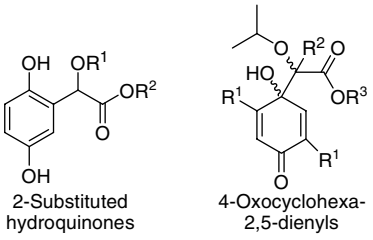
Two quinolinic alkaloids belonging to the novel mersinine subclass were isolated from *Kopsia singapurensis*. The structures of these alkaloids were established by spectroscopic methods and possible biogenetic relationships between these and the mersinine alkaloids are presented.

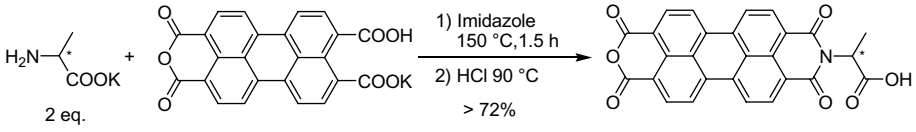


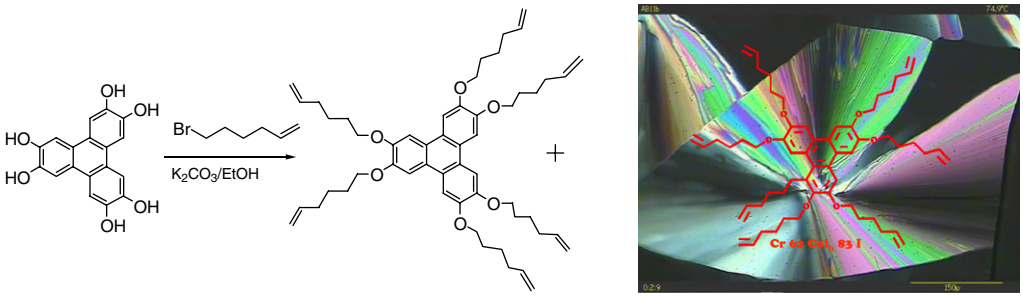


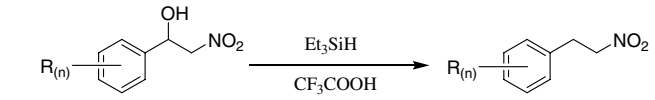






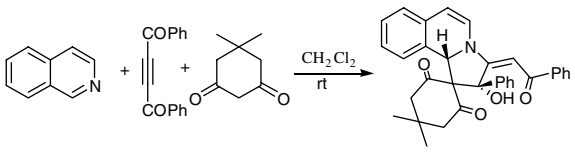


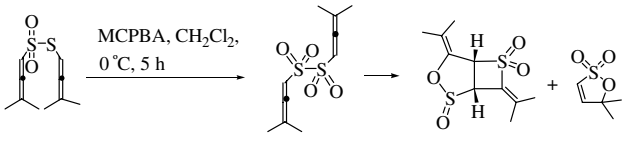


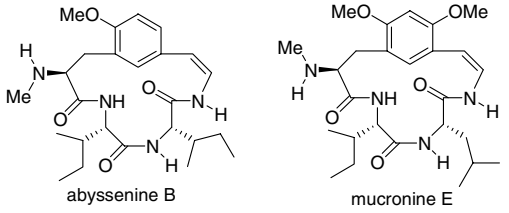


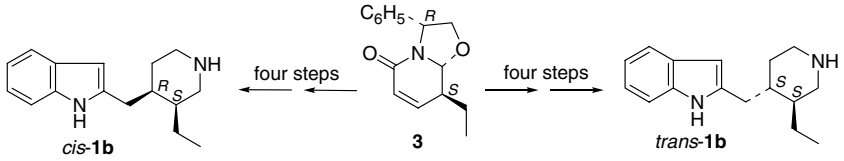
$R_{(n)}$=electron donating groups

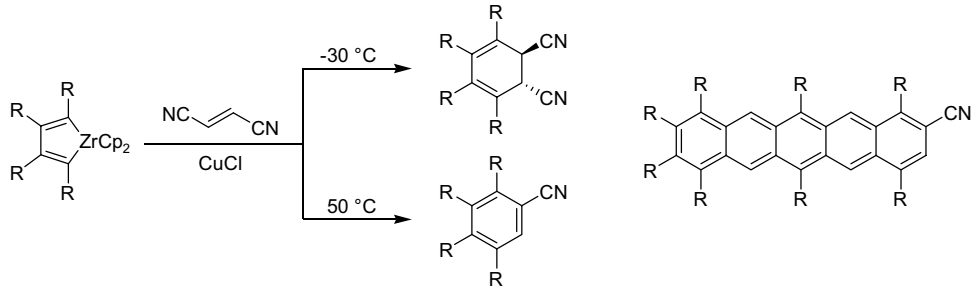
up to 90% yields

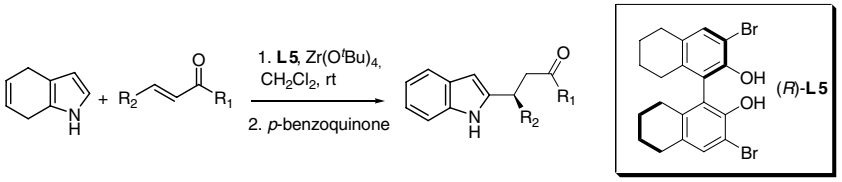


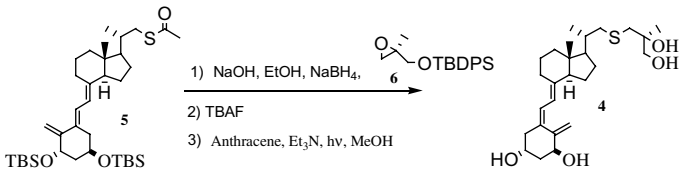


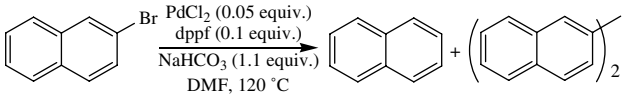




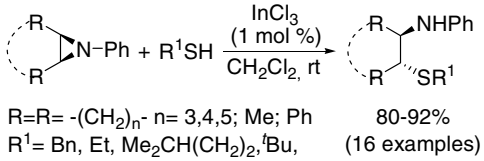


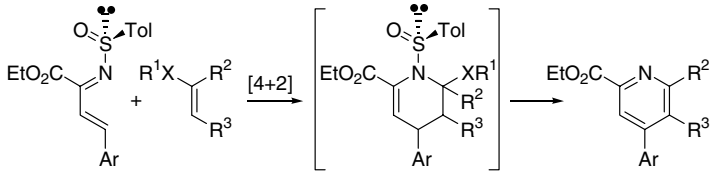


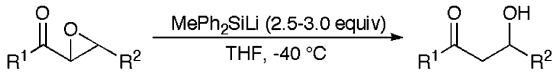




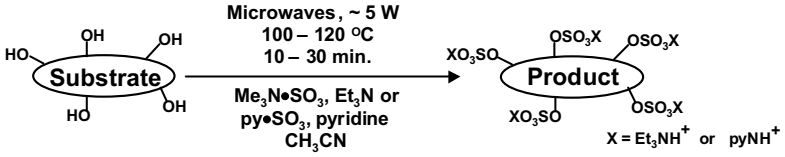
According to the GC/MS analysis of a reaction carried out in DMF-d_7, the solvent is the source of the reducing agent leading to naphthalene.



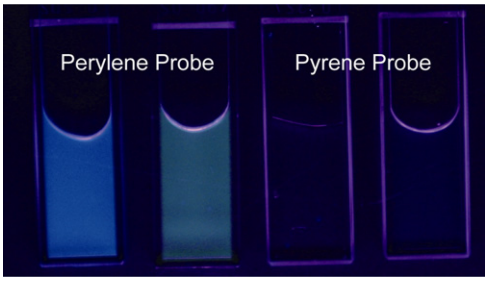


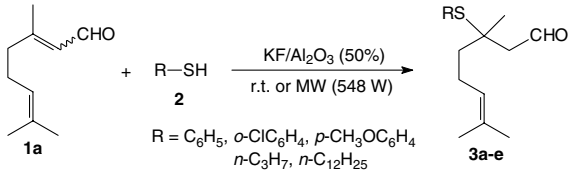


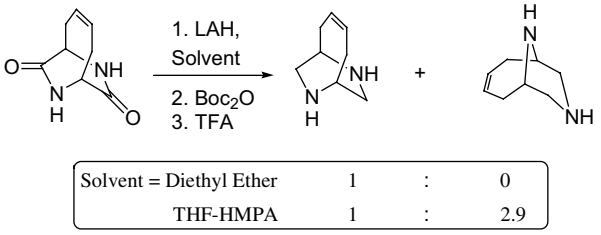
β-Hydroxyketones are prepared from the selective reduction of α,β-epoxyketones using silyllithium reagents. The reaction proceedes via an epoxide ring-opening assisted Brook rearrangement.



Perylene-modified oligodeoxyribonucleotides are synthesized for the detection of deletion polymorphisms with high sensitivity on the basis of the change of monomer → excimer emission.

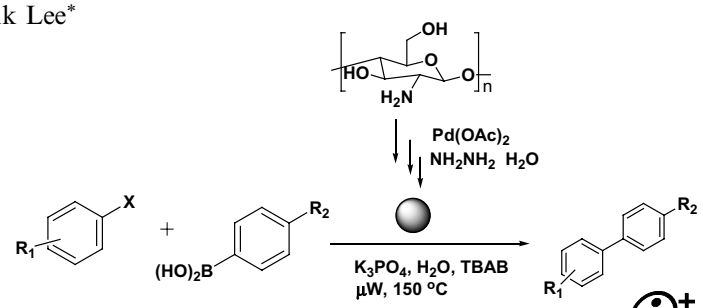


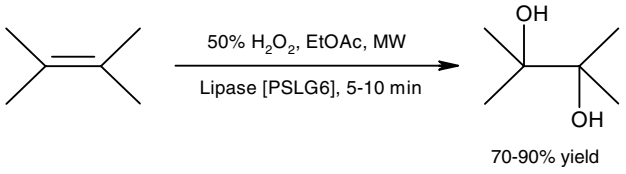


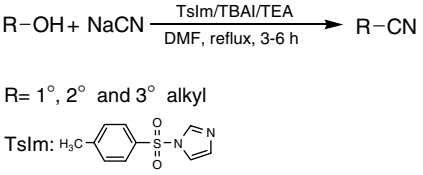


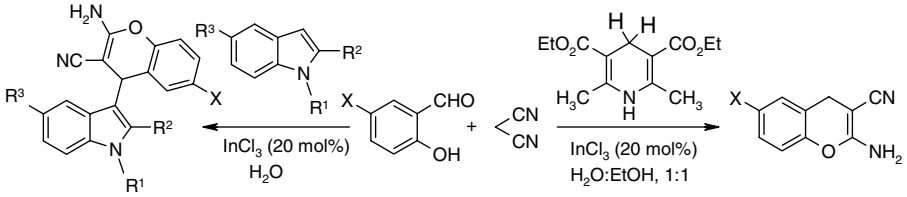
Solvent = Diethyl Ether	1	:	0
THF-HMPA	1	:	2.9

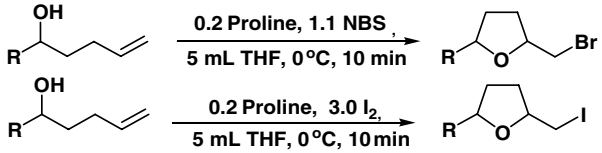
Chitosan-supported palladium(0) catalyst was prepared from adsorption of palladium(II) ion on chitosan bead and simple reduction process. For mechanical stability, the catalysts were cross-linked with glutaraldehyde or diglycidyl ether polyethylene glycol. The chitosan-supported palladium catalyst showed good catalytic activity for Suzuki cross-coupling reactions with various aryl halides and boronic acids in water under the microwave conditions.

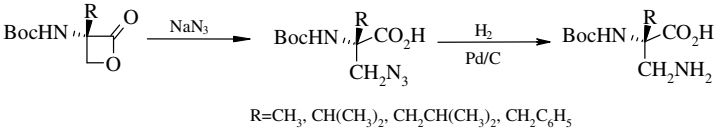


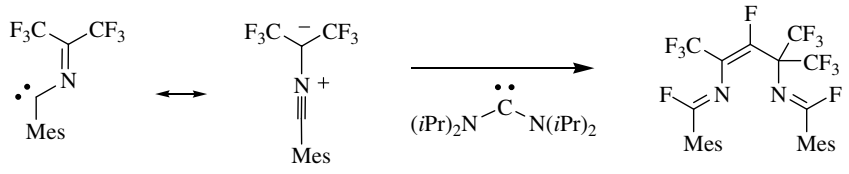




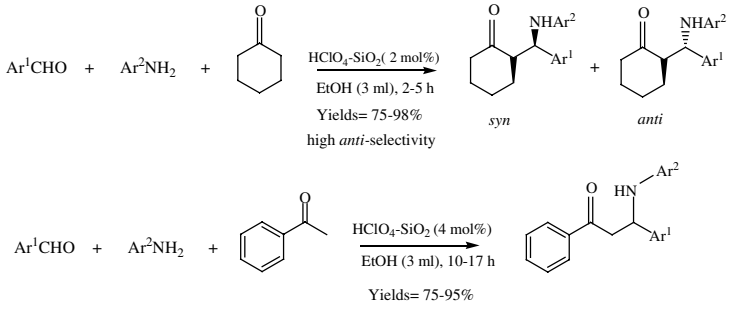


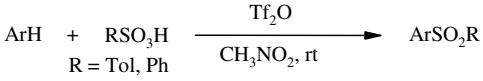


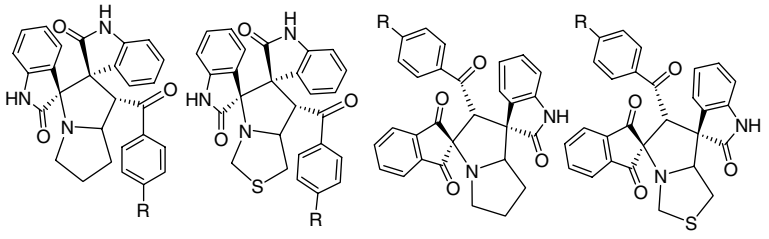


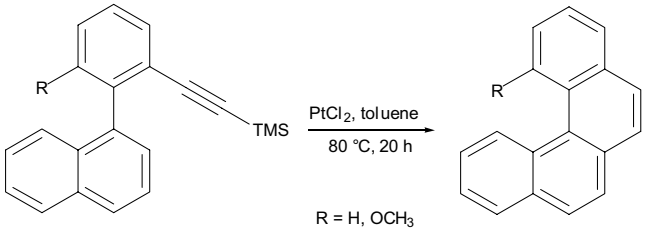


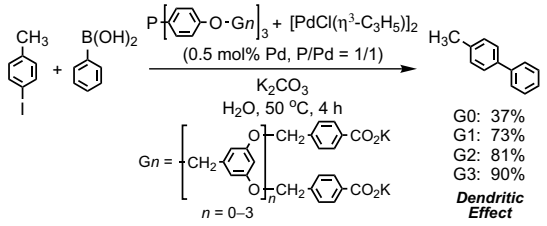
A carbene–nitrile ylide undergoes an unusual non-symmetrical dimerization catalyzed by stable bis(diisopropylamino)carbene.

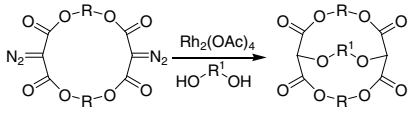












Reaction of macrocyclic diazocarbonyl compounds with alcohols or diols in the presence of rhodium(II) acetate catalyst led to functionalized macrocyclic di- or tetralactones via O–H insertion. Interestingly, the double O–H insertion reaction with dihydroxy compounds gave cryptands of various ring sizes.

*Corresponding author
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