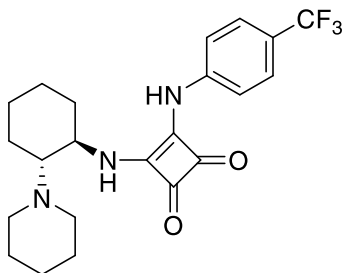
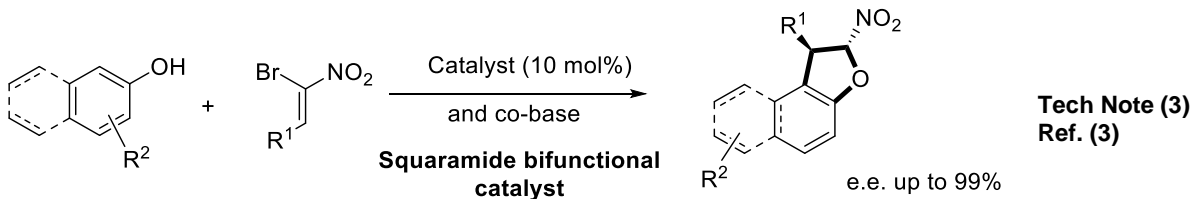
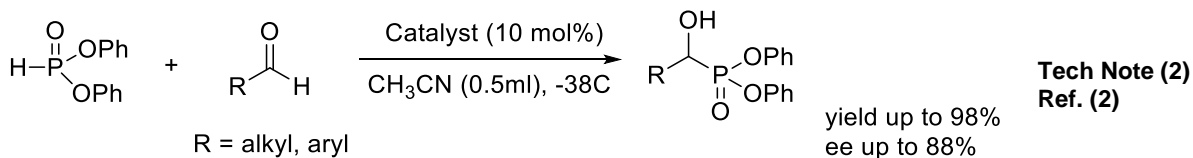
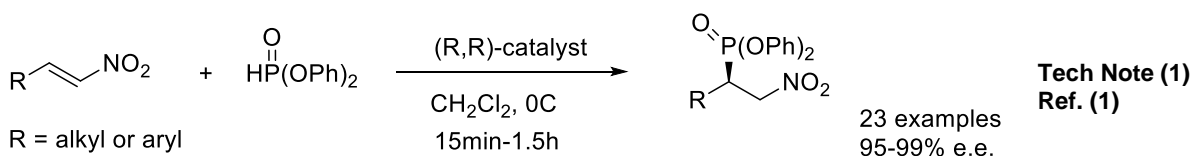


Catalog # 07-1356 3-[[[(1R,2R)-2-(1-Piperidinyl)cyclohexyl]amino]-4-[[4-(trifluoromethyl)phenyl]amino]-3-cyclobutene-1,2-dione, 98%, (99% ee)



Technical Notes:

1. Michael Addition- highly enantioselective Michael addition reaction of diphenyl phosphite to a range of nitroalkenes.
2. Hydrophosponylation- diphenylphosphite has been successfully employed in a chiral Pudovik reaction with aldehydes, extending the generality of this asymmetric methodology.
3. Friedel-Crafts/Substitution Domino Reaction- Dihydroarylifuran skeletons are efficiently synthesized from (Z)-bromonitroalkenes and naphthol derivatives in good yields and excellent enantioselectivities



References:

1. *Angew. Chem. Int. Ed.*, **2010**, *49*, 153-156.
2. *Org. Biomol. Chem.*, **2014**, *12*, 1258-1264.
3. *Angew. Chem. Commun.*, **2013**, *49*, 2001-2003.