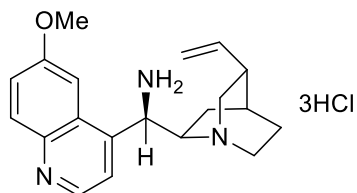
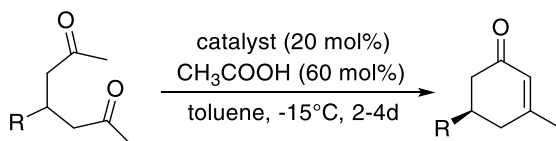


Catalog # 07-1715 (9R)-6'-Methoxycinchonan-9-amine trihydrochloride, min. 90%

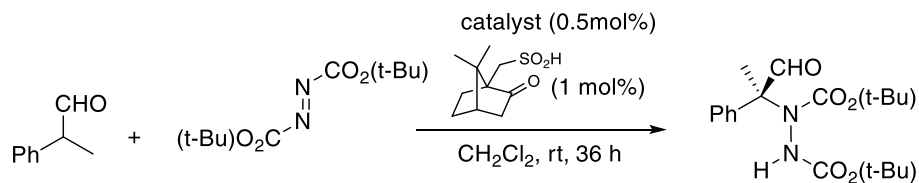


***Technical Notes:**

1. Primary-amine-catalyzed enantioselective intramolecular aldolizations
2. Primary amine/CSA ion pair: A powerful catalytic system for the asymmetric enamine catalysis.
3. Enantioselective Michael-Mannich polycyclization cascade of indolyl enones catalyzed by quinine-derived primary amines.
4. Trienamine catalysis with 2,4-dienones: Development and application in asymmetric Diels-Alder reactions.
5. Stereodivergence in the amine-catalyzed regioselective [4+2] cycloadditions of β -substituted cyclic enones and polyconjugated malononitriles.
6. The cinchona primary amine-catalyzed asymmetric epoxidation and hydroperoxidation of α,β -unsaturated carbonyl compounds with hydrogen peroxide
7. Asymmetric α -fluorination of α -branched enals

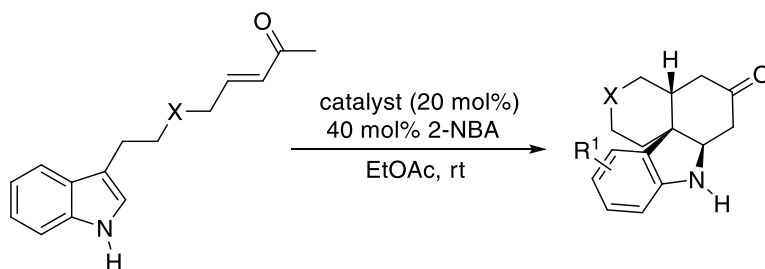


Tech. Note (1)
Ref. (1)

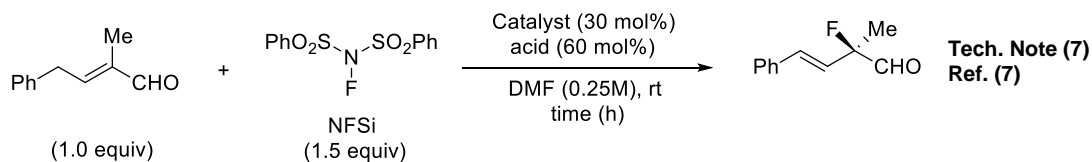
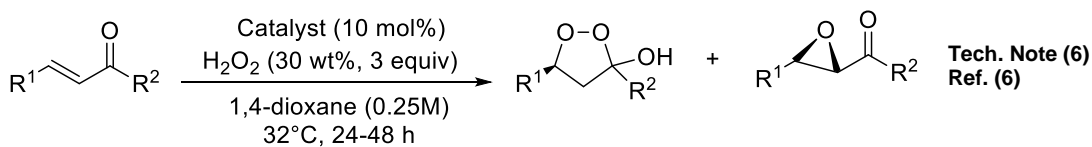
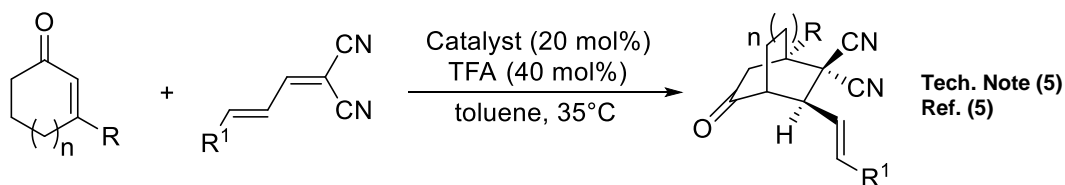
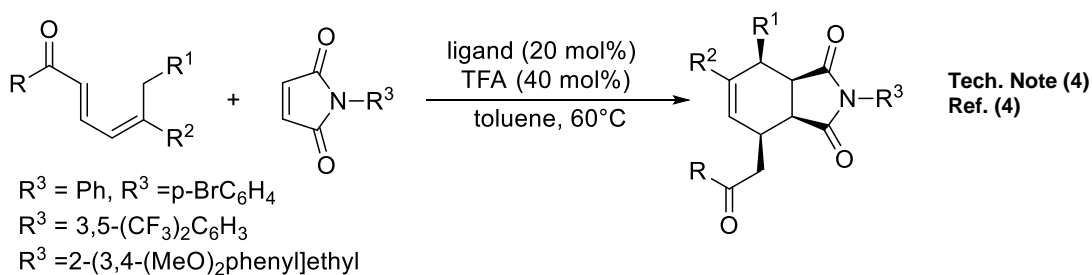


Tech. Note (2)
Ref. (2)

96% yield - 95% ee



Tech. Note (3)
Ref. (3)



*Technical note examples demonstrate enantioselective transformations using either the R- or S-enantiomer of the cinchona catalyst, see references for details.

References:

1. *Angew. Chem. Int. Ed.*, **2008**, *47*, 7656
2. *Org. Lett.*, **2011**, *13*, 2638
3. *Angew. Chem. Int. Ed.*, **2011**, *50*, 8665
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5. *J. Am. Chem. Soc.*, **2012**, *134*, 19942
6. *J. Am. Chem. Soc.*, **2013**, *135*, 6677
7. *ACS Catal.*, **2017**, *7*, 4736