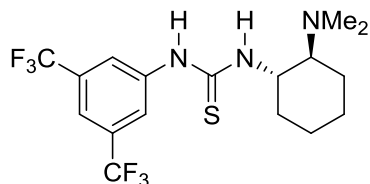


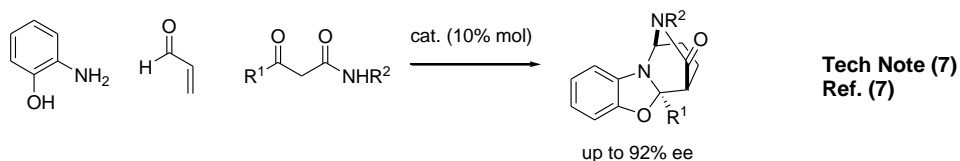
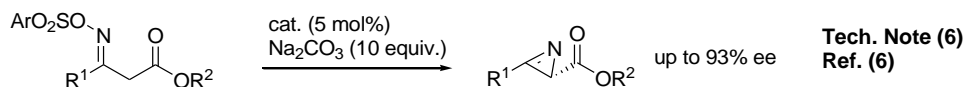
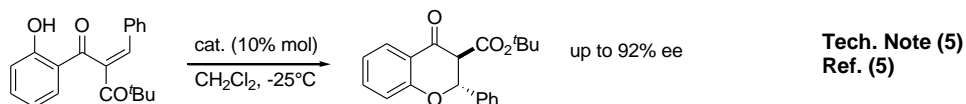
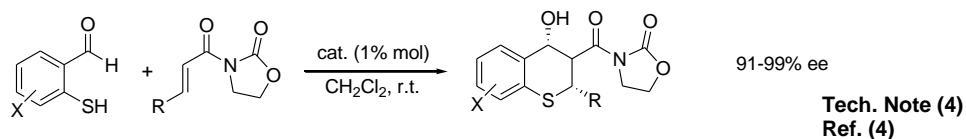
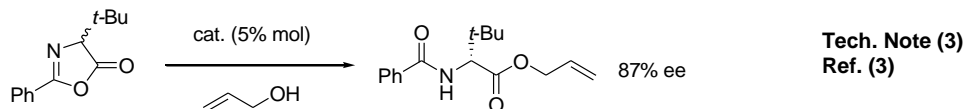
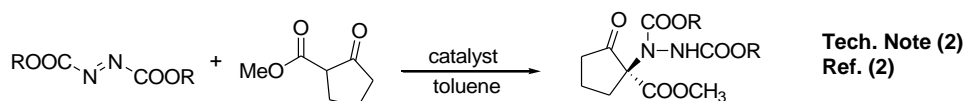
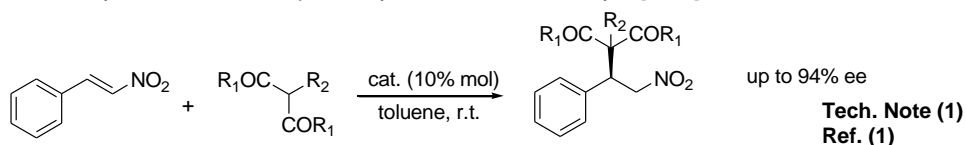
Catalog # 07-0284 1-[3,5-Bis(trifluoromethyl)phenyl]-3-[(1S,2S)-(+)-2-(dimethylamino)cyclohexyl]thiourea (S,S-TUC)



Note: Sold under license of Sumitomo Chemical for research purposes only. Patents PCT Application No.: JP2004009350 (publication WO2005000803) US Application 10/562,579, EPC Application 04746819.4

Technical Notes:

1. Thiourea catalyst used in the enantio and diastereoselective Michael addition of malonates and ketoesters to nitroolefins.
2. Catalyst used in the enantioselective hydrazination of 1,3-dicarbonyl compounds.
3. Catalyst used for the dynamic resolution of azalactones.
4. Catalyst used in Michael-Aldol reaction of 2-mercaptobenzaldehyde with α,β -unsaturated oxazolidinone.
5. Catalyst for enantioselective synthesis of flavanones and chromanones.
6. Catalyst for the asymmetric Neber Reaction.
7. Catalyst for the three component synthesis of 2,6-diazabicyclo[2.2.2]octanones.



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