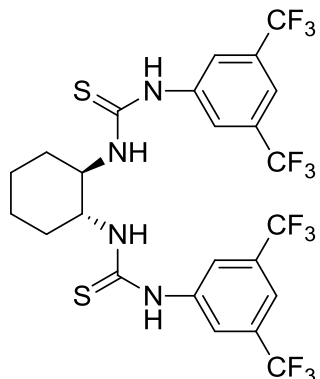
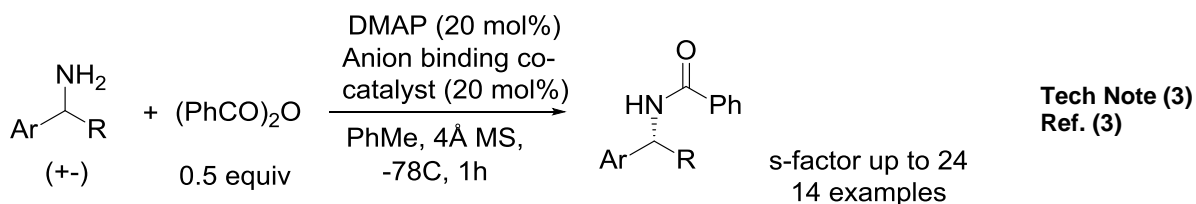
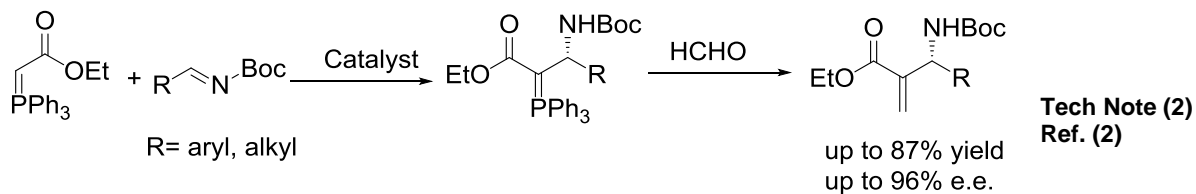
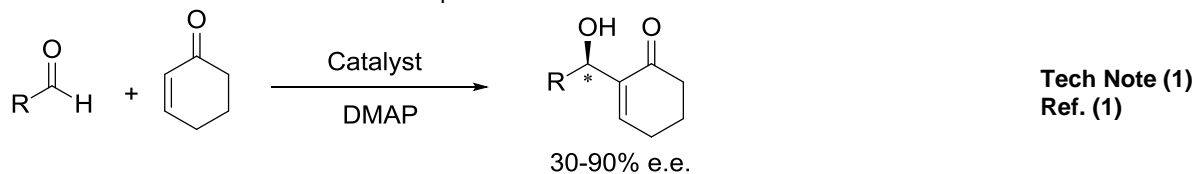


Catalog # 07-6312 N,N'-(1R,2R)-1,2-Cyclohexanediylbis[N'-(3,5-bis(trifluoromethyl)phenyl)thiourea]



Technical Notes:

- Baylis-Hillman Reaction:** A new chiral bis-thiourea-type organocatalyst developed for the Baylis-Hillman reaction provided a drastic rate enhancement. Allylic alcohols were obtained with up to 90% ee in the case of cyclohexanecarboxaldehyde.
- Mannich Reaction:** The first asymmetric Mannich-type reaction of stabilized phosphorus ylides and N-Boc aldimines was described promoted by a readily available and recyclable chiral bithiourea organocatalyst.
- Benzoylation:** A new concept for asymmetric nucleophilic catalysis is presented. Acyl pyridinium salts derived from 4-(dimethylamino)pyridine (DMAP) and benzoic anhydride are rendered chiral via interaction with a chiral thiourea anion receptor.



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